

ORDER NO. ACED060610C3

Service Manual

AUTOMOTIVE AFTERMARKET

CQ-C5302W

WMA MP3 CD Player/Receiver with CD Changer Control



SPECIFICATIONS

Specifications*

General

Power Supply	DC 12V (11V - 16V), Test Voltage 14.4V Negative Ground
Current Consumption	Less than 2.2A (CD mode ; 0.5W 4-channels)
Maximum Power Output	50W×4 (at 1kHz)
Tone/SQ Adjustment Range	SQ Low/Bass ; ±12dB / (at 60Hz, 80Hz, 100Hz, 200Hz) SQ Mid ; ±12dB / (at 500Hz, 1kHz, 2kHz, 3kHz) SQ High/Treble ; ±12dB / (at 10kHz, 12kHz, 15kHz, 18kHz)
Speaker Impedance	4-8
Pre-Amp Output Voltage	2.5V (CD mode; 1kHz, 0dB)
Pre-Amp Output Impedance	200
Subwoofer Output Voltage	2.5V
Subwoofer Output Impedance	200

FM Stereo Radio

Frequency Range	87.5MHz - 108.0MHz
Usable Sensitivity	6dB/ V. (S/N 30dB)
Frequency Response	30Hz-15kHz (±3dB)
Alternate Channel Selectivity	75dB
Stereo Separation	35dB (1kHz)
Image Rejection Ratio	70dB

IF Rejection Ratio	100dB
Signal to Noise Ratio	62dB
AM Radio	
Frequency Range	531kHz - 1,602kHz
Usable Sensitivity	28dB/ V (S/N 20dB)
CD Player	
Sampling Frequency	8 Times Oversampling
DA Converter	1bit DAC System
Pick-Up Type	Astigma 3-beam
Light Source	Semiconductor Laser
Wave Length	790nm
Frequency Response	20Hz to 20kHz (±1dB)
Signal to Noise Ratio	96dB
Total Harmonic Distortion	0.01% (1kHz)
Wow and Flutter	Below measurable limits
Channel Separation	75dB
Dimensions** (W×H×D)	
Dimensions** (W×H×D)	178×50×155mm
Weight**	1.6kg

* Specifications and the design are subject to possible modification without notice due to improvements.

** Dimensions and Weight shown are approximate.

-Above specifications comply with EIA standards.

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1. ABOUT LEAD FREE SOLDER (PbF)

Distinction of PbF PCB:

PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution :

- Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a soldering

iron with temperature control and adjust it to $700 \pm 20^{\circ}\text{F}$ ($370 \pm 10^{\circ}\text{C}$). In case of using high temperature soldering iron, please be careful not to heat too long.

- Pb free solder will tend to splash when heated too high (about 1100°F / 600°C)
- This lead free solder will be used for the products after serial No. 1,000,001.

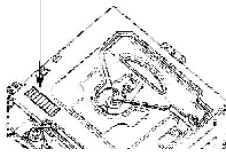
2. LASER PRODUCTS

CAUTION:

This product utilizes a laser diode with the unit turned "on", laser radiation is emitted from the pickup lens. Laser radiation from the pickup lens is safety level, but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.

DANGER! Visible and invisible laser radiation when open. Avoid direct exposure to beam.



3. FEATUERS

- Digital servo for reliable playback.
- PLL (Phase Locked Loop) synthesized tuning.
- 18-FM, 6-AM presets with preset scan.
- Removable face plate.
- MP3/WMA Playback from CD-R/RW.
- CD Changer Control.

4. REPLACING THE FUSE

Use fuses of the same specified rating (15amps). Using different substitutes or fuses with higher ratings, or connecting the product directly without a fuse, could cause fire or damage to the stereo unit.

5. MAINTENANCE

Your product is designed and manufactured to ensure a minimum of maintenance. Use a dry, a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvents.

6. NOTES

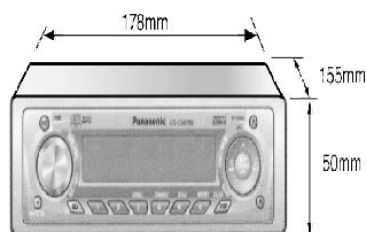
[RADIO BLOCK]

Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.

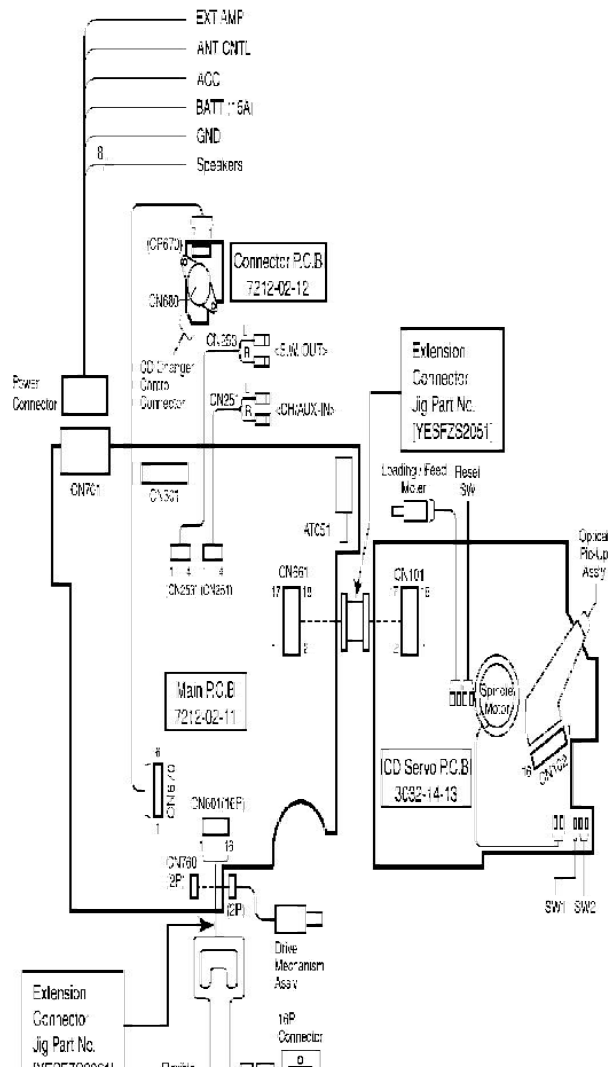
[CD DECK BLOCK]

This model has no servo alignment points because microcomputer controls the servo circuit.

7. DIMENSIONS



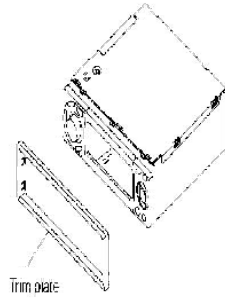
8. WIRING CONNECTION



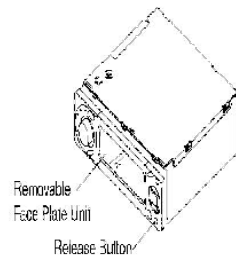
9. DISASSEMBLY INSTRUCTIONS

9.1. How to remove the Flexible PCB

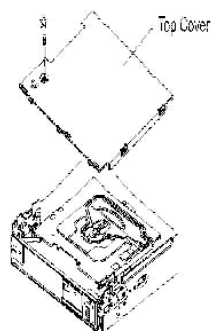
1. Remove the Trim Plate.



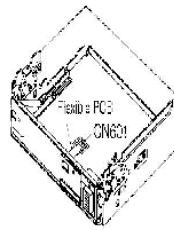
2. Remove the Removable Face Plate unit by pressing the Release Button.



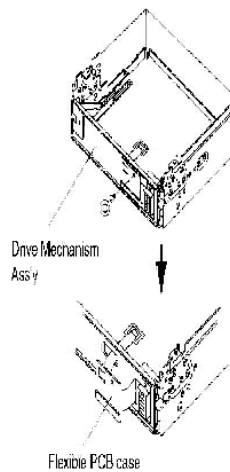
3. Remove the screw(s) and remove the Top Cover.



5. Remove the Flexible PCB from the CN601
(7212-02-11)



6. Remove the screw(s) from the Drive Mechanism Assy and remove the Flexible PCB case.



7. Remove the Flexible PCB from the Connection (8'').



9.2. How to install the Main P.C.B of the Electric Slide Display

10. TERMINALS DESCRIPTION

10.1. Main Block

IC601 : YESAM288

Pin No.	Port	Description	I/O	Volt (V)			Pin No.	Port	Description	I/O	Volt (V)		
				FM	AM	CD					FM	AM	CD
1	PANEL OPEN	PANEL OPEN detection	I	5.2	5.2	5.2	30	CD STB	Strobe signal for CD communication	O	3.3	3.3	3.3
2	PANEL CLOSE	PANEL CLOSE detection	I	0	0	0	31	NC	No Connection	-	-	-	-
3	LCD DI	LCD data	O	4.7	4.7	4.7	32	Avdd	Power supply of D/A converter	I	5.1	5.1	5.1
4	BATT	BATT detection	I	5.1	5.1	5.1	33	AVREF	Reference voltage for D/A converter	I	5.1	5.1	5.1
5	ACC	ACC detection	I	5.1	5	5.1	34	AVGND	Reference GND for D/A converter	I	0	0	0
6	SDA	Electronic VOL data	I/O	5	5	5	35	AVSS	GND for A/D and D/A converter	I	0	0	0
7	SCK	Electronic VOL clock	O	5	0	5	36	SD	FM/AM signal strength	I	0.3	0	0.3
8	LCD DO	LCD data	I	4.9	4.9	4.9	37	INIT A	Initializ A	I	0	0	0
9	Vss	GND	-	0	0	0	38	INIT B	Initializ B	I	0	0	0
10	ST	FM ST detection	I	5.1	5.1	5.1	39	A IN	SPE.ANA A.IN	I	0	0	0
11	PLL DI (MO)	PLL data output	O	0	0	0	40	Vss	GND	I	0	0	0
12	PLL DO (MI)	PLL data input	I	5.2	5.2	5.2	41	CD A0	Signal output according to command employment	O	0	0	5.1
13	PLL CLK	PLL clock output	O	5	5	5	42	NC	No Connection	-	-	-	-
14	PLL CE	PLL chip enable output	O	0	0	5	43	NC	No Connection	-	-	-	-
15	CD RST	CD deck reset output	O	5	5	0	44	NC	No Connection	-	-	-	-
16	XM RX	XM tuner RX data	O	4.8	4.8	4.8	45	CD SW1	CD mechanism switch	I	0	0	0
17	LCD CLK	LCD clock	O	4.9	4.9	4.9	46	CD SW2	CD mechanism switch	I	5	5	0
18	XM TX	XM tuner TX data	I	0	0	0	47	MOD0	Operating mode input 0	I	5.2	5.2	5.2
19	CD SO (MI)	CD Data	I	1.4	1.4	1.4	48	MOD1	Operating mode input 1	I	5.1	5.1	5.1
20	CD SCK	CD clock transmit	O	4.9	4.9	4.9	49	MOD2	Operating mode input 2	I	0	0	0
21	Vdd	Power supply	I	5	5	5	50	H	External standby input	I	5.1	5.1	5.1
22	CD SI (MO)	CD Data	O	0	0	0	51	DC DC CNT (NC)	-	-	-	-	
23	NC	No Connection	-	-	-	-	52	FP MOTOR1	Front open/close control 1	O	5	5	5
24	CDC CLK	CD Changer clock	I	0	0	0	53	FP MOTOR2	Front open/close control 2	O	5	5	5
25	CONDENSOR	Capacitor for power supply	-	3.2	3.2	3.2	54	V CNT1	Panel driving voltage control 1	O	0	0	0
26	CDC DATA	CD Changer data	I	0	0	0	55	V CNT2 (NC)	-	-	-	-	
27	CDC STB	Changer storobe signal input	I	0	0	0	56	SA CLK	Spectrum analyzer clock	O	5	4.9	4.9
28	CD IN	DISC In detection	I	4.9	4.9	0.4							
29	DECK V CONT	DECK power supply control output	O	5	5	5							

CONT							CLK						
Pin No.	Port	Description	I/O	Volt (V)			Pin No.	Port	Description	I/O	Volt (V)		
				FM	AM	CD					FM	AM	CD
57	EXT MUTE	TEL/NAVI MUTE input	I	5.4	5.4	5.4							
58	AMP CONT	External AMP control	O	5	5	5							
59	BZ-OUT	Buzzer output	O	0	0	0							
60	ANT CONT	Motor antenna control	O	5	5	0							
61	DIM1 (NC)	-	-	-	-	-	85	OFFSET DET	PWR-IC offset detection	I	0	0	0
62	DIM2 (NC)	-	-	-	-	-	86	STBY	PWR-IC STBY control output	O	5.1	5.1	5.1
63	CDC REM OUT	Remote control data for CD Changer	O	5	5	5	87	AMP MUTE	PWR-IC MUTE control output	O	0	0	0
64	CDC SENS	CDC 1/2 detection	I	5.1	5.1	5.1	88	ILL SENS (NC)	-	-	-	-	-
65	CDC 1/2	CDC 1/2 change output	O	0	0	0	89	NC	-	-	-	-	-
66	NC	-	-	-	-	-	90	EP DO (MI) (NC)	-	-	-	-	-
67	REMO IN	Main wake-up request	I	4.9	4.9	4.9	91	EP D0 (M0) (NC)	-	-	-	-	-
68	NC	-	-	-	-	-	92	EP SK (NC)	-	-	-	-	-
69	RDS CLK (NC)	-	-	-	-	-	93	SUB W U REQ/ LCD CE	Sub Wake-up request	O	0	0	0
70	NC	-	-	-	-	-	94	DISPM CNT	Power supply control for display	O	0	0	0
71	RD DATA (NC)	-	-	-	-	-	95	EJE ILL (NC)	-	-	-	-	-
72	MAIN CONT	MAIN power supply control	O	5	4.9	4.9	96	Rotary 1	Rotary Encoder 1	I	4.9	5	5
73	INV CONT	INV power supply control	O	5.1	5	5	97	Rotary 2	Rotary Encoder 2	I	4.9	4.9	5
74	AF MUTE	AF MUTE control	O	5.1	5.1	5.1	98	S LED	Security LED control output	O	0	0	0
75	RESET	Reset input	I	5.1	5.1	5.1	99	PANEL IN	PANEL detect	I	5.3	5.3	5.3
76	NC	No Connection	-	-	-	-	100	EP CS (NC)	-	-	-	-	-
77	NC	No Connection	-	-	-	-							
78	NC	-	I	0	0	0							
79	Vss	GND	I	0	0	0							
80	X1	Crystal oscillator input	I	2.1	2.1	2.1							
81	X2	Crystal oscillator output	O	2.5	2.5	2.5							
82	Vdd	Power supply	I	5.1	5.1	5.1							
83	P00	Pldaun port for writing	I	0	0	0							
84	P01	Pull-up port for writing	I	5.1	5.1	5.1							

10.2. Display Block

IC901 : YESAM168

Pin No.	Port	Description	I/O	(V)
1-35	SEG3-37	LCD segment data	O	2.5
36-51	SEG40-55	LCD segment data	O	2.5
52-55	COM1-4	LCD common	O	2.5
56,57	SEG39,38	Not used	-	-
58-61	KS3-6	Key scan	O	5.0
62-66	KI1-5	Key data	I	0
67	VDD	+5V power supply	-	5.0
68	VLCD	VLCD terminal	-	4.8
69	VLCD1	VLCD1 terminal	-	3.3
70	VLCD2	VLCD2 terminal	-	1.7
71	VSS	Ground	-	0
72	TEST	(Connecting to ground)	-	0
73	OSC	Oscillator terminal	-	3.9
74	RESET	Reset	I	4.8
75	DO	Key data output	O	5.0
76	CE	LCD driver chip enable	I	0
77	CLK	LCD clock	I	4.9
78	DI	LCD data	I	4.9
79,80	SEG1,2	LCD segment data	O	2.5

10.3. CD Servo Block

IC401 : YESAM348

Pin No.	Port	Descriptions	I/O	(V)
1	CVSS1	GND	-	0
2	-	-	-	-
3	CVSS2	GND	-	0
4	DVDD1	I/O system (3.3V) power supply	-	3.3
5	A10	Address bus of FLASH ROM	O	0
6	-	-	-	-
7	A11	Address bus of FLASH ROM	O	3.3
8	A12		O	3.3
9	A13		O	3.3
10	A14		O	3.3
11	A15		O	3.3
12	/ CVDD1	CORE CPU system (1.6V) power supply	-	1.6
13	-	-	-	-
14	DVSS1	GND	-	0
15	CVSS3	GND	-	0

Pin No.	Port	Descriptions	I/O	(V)
16	/ CVDD2	I/O system (3.3V) power supply	-	1.6
17	-	-	-	-
18	-	-	-	-
19	READY	-	-	3.3
20	/PS	FLASH ROM selection signal	O	3.3
21	-	-	-	-
22	-	-	-	-
23	R/W	Lead/light signal to FLASH ROM	O	3.3
24	/ MSTRB	Memory access signal	O	3.3
25	-	-	-	-
26	/MSC	-	-	3.3
27	MUTE	Mute signal output (H:Mute on)	O	0
28	-	-	-	-
29	-	-	-	-
30	/HOLD	-	-	3.3
31	BIO	SUBO input	I	0
32	MP/MC	Operation mode setting (external pull-up)	I	3.3
33	DVDD2	I/O system (3.3V) power supply	-	3.3
34	CVSS4	GND	-	0
35	BD R1	GND	I	0
36	-	-	-	-
37	CVSS5	GND	-	0
38	-	-	-	-
39	-	-	-	-
40	DVSS2	GND	-	0
41	CLK C M	AUDIO bit clock input	I	1.6
42	SCK	Clock input	I	3.3
43	LRCK C M	AUDIO L/R identifying signal input	I	1.6
44	CDFS	Serial frame sink signal input	I	2.6
45	DATA CM	AUDIO serial data input	I	1.6
46	-	-	-	-
47	SI	Serial data input	I	0
48	CLK M C	AUDIO bit clock output	O	1.6
49	SCK	Clock input	I	3.3
50	CVSS6	GND	-	0
51	-	-	-	-

Pin No.	Port	Descriptions	I/O	(V)
52	CVDD3	CORE CPU system (1.6V) power supply	-	1.6
53	LRCK M C	AUDIO L/R identifying signal output	O	1.6
54	CDFS	Serial frame sink signal input	I	2.4
55	-	-	-	-
56	DVDD3	I/O system (3.3V) power supply	-	3.3
57	DVSS3	GND	-	0
58	REST SW	Mechanics deck REST SW input	I	3.3
59	DATA M C	AUDIO serial data output	O	1.6
60	SO	Serial data output	O	1.2
61	-	-	-	-
62	-	-	-	-
63	/NMI	-	-	3.3
64	/INT0	-	-	3.3
65	/INT1	-	-	3.3
66	BLKCK	Subcode block clock pulse input	I	0
67	/INT3	-	-	3.3
68	CV DD4	CORE CPU system (1.6V) power supply	-	1.6
69	SW1	Mechanics deck SW1 input	I	0
70	CVSS7	GND	-	0
71	MCLK	Clock output (To Servo DSP)	O	3.3
72	DVSS4	GND	-	0
73	MLD	Command load signal output (To Servo DSP)	I	3.3
74	MDATA	Command data output (To Servo DSP)	O	3.3
75	DVDD4	I/O system (3.3V) power supply	-	3.3
76	DVSS5	GND	-	0
77	CLK MD1	Clock mode setting (L fixation)	I	0
78	CLK MD2	Clock mode setting (H fixation)	I	3.3
79	CLK MD3	Clock mode setting (L fixation)	I	-
80	-	-	-	-
81	SW2	Mechanics deck SW2 input	I	0
82	-	-	-	-
83	EMU0	-	-	0

Pin No.	Port	Descriptions	I/O	(V)
84	EMU/ OFF	-	-	3.3
85	TDO	-	-	3.3
86	TDI	-	-	0
87	/TRST	-	-	3.3
88	TCK	-	-	0
89	TMS	-	-	3.3
90	CVSS8	GND	-	3.3
91	CVDD5	CORE CPU system (1.6V) power supply	-	0
92	HPIENA	GND	I	1.6
93	DVSS6	GND	-	0
94	-	-	-	-
95	CLKENA	Oscillation output Cainabl signal	O	3.3
96	X1	Crystal Connection	O	0
97	X2/ CLKIN	Crystal Connection	I	0
98	RS	Reset signal input	I	1
99	D0	Data base of FLASH ROM	I/O	3.4
100	D1		I/O	0
101	D2		I/O	0
102	D3		I/O	0
103	D4		I/O	0
104	D5		I/O	0
105	A16	Address bus of FLASH ROM	O	0
106	DVSS7	GND	-	0
107	A17	Address bus of FLASH ROM	O	3.3
108	A18		O	0
109	A19	Address bus of FLASH ROM	O	0
110	A20		O	0
111	CVSS9	GND	-	0
112	DVDD5	I/O system (3.3V) power supply	-	3.3
113	D6	Data bus of FLASH ROM	I/O	0
114	D7		I/O	0
115	D8		I/O	0
116	D9		I/O	0
117	D10		I/O	0
118	D11	Data bus of FLASH ROM	I/O	0
119	D12		I/O	0
120	STAT	Status signal input	I	0.4
121	D13	Data path of FLASH ROM	I/O	0
122	D14		I/O	0
123	D15		I/O	0
124	-	-	-	-

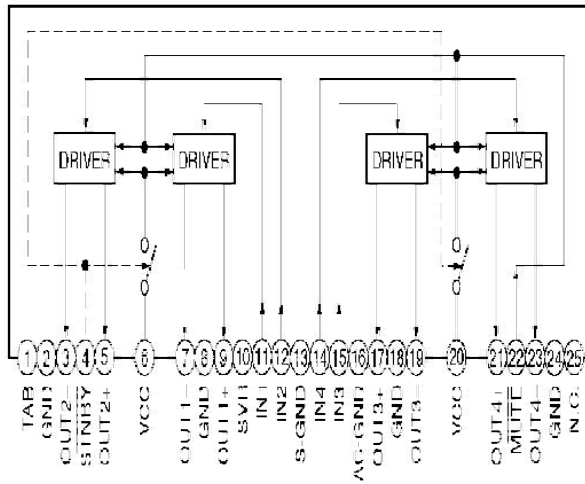
Pin No.	Port	Descriptions	I/O	(V)
125	CVDD6	CORE CPU system (1.6V) power supply	-	1.6
126	CVSS10	GND	-	0
127	-	-	-	-
128	DVSS8	I/O system (3.3V) power supply	-	0
129	-	-	-	-
130	DVDD6	I/O system (3.3V) power supply	-	3.3
131	A0	Address bus of FLASH ROM	O	0
132	A1		O	0
133	A2		O	3.3
134	A3		O	3.3
135	/RST	Reset signal output (To Servo DSP)	O	3.3
136	A4	Address bus of FLASH ROM	O	3.3
137	A5		O	0
138	A6		O	3.3
139	A7		O	3.3
140	A8		O	0
141	A9		O	3.3
142	CVDD7	CORE CPU system (1.6V) power supply	-	1.6
143	-	-	-	-
144	DVSS9	GND	-	0

11. PACKAGE AND IC BLOCK DIAGRAM

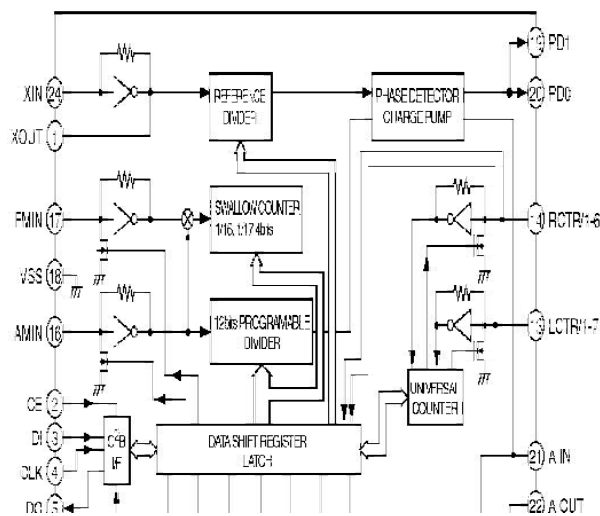
11.1. Main Block

PA051 : YESAP413

IC271 : YESAM274

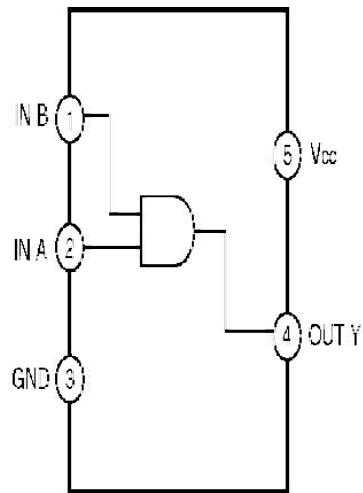


IC401 : YESAM284

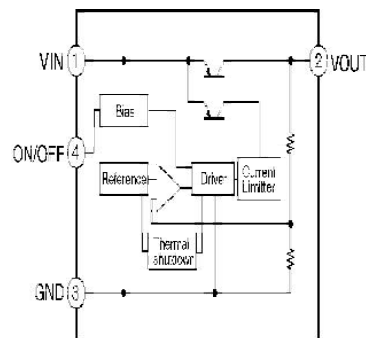


IC650 : YESAM265

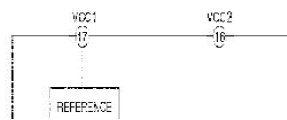
IC681 : YESAM273



IC750 : YESAM267

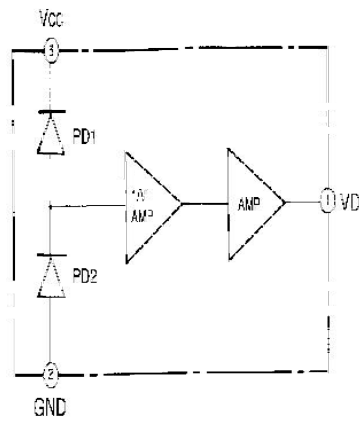


IC760 : YESAM287



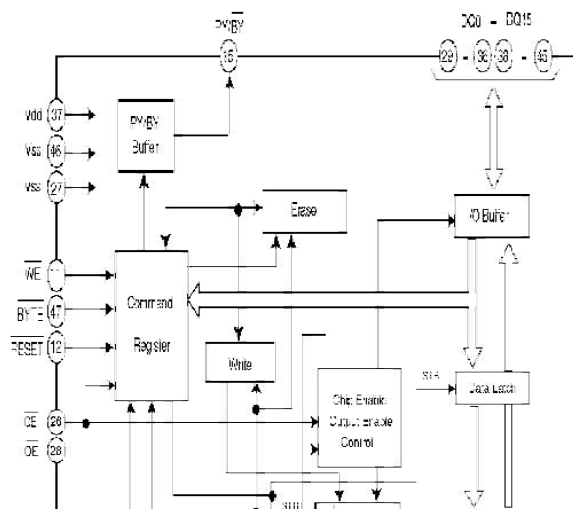
11.2. Display Block

IC902 : YESAM264

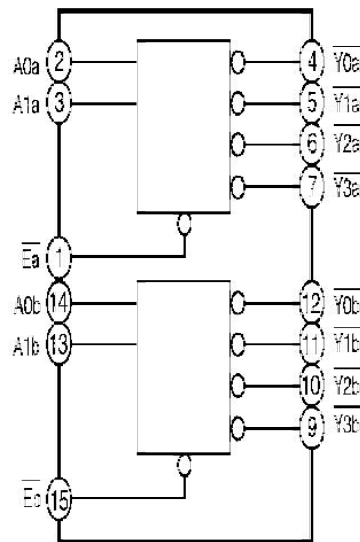


11.3. CD Servo Block

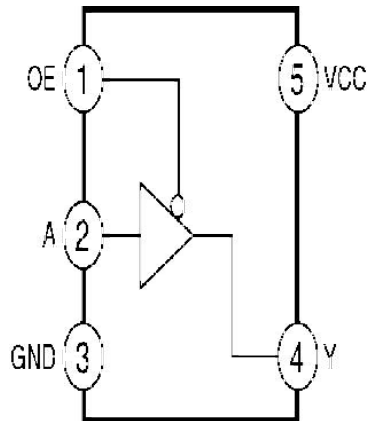
IC402 : YESAM353



IC403 : YESAM171



IC405 : YESAM270



IC404 : YESAM178

12. REPLACEMENT PARTS LIST

Notes :

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components, identified by mark have special characteristics important for safety. When replacing any of

these components, use only manufacturer's specified parts.

- 3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
- 4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**
 - Order intake period is basically six months after the first shipment.**

Ref. No.	Part No.	Part Name & Description	Remarks
[7212-02-11] Main Block			
IC's and TRANSISTORS			
IC201	YESAM289	IC	
IC240	YESAM286	IC	
IC270	YESAM286	IC	
IC271	YESAM274	IC	
IC370	YESAM286	IC	
IC401	YESAM284	IC	
IC601	YESAM288	IC	
IC650	YESAM265	IC	
IC681	YESAM273	IC	
IC710	YESAM290	IC	
IC740	YESAM269	IC	
IC750	YESAM267	IC	
IC755	YESAM263	IC	
IC760	YESAM287	IC	
PA051	YESAP413	Tuner Pack	
Q055	YESAN082	Transistor	
Q201	B1GBCFNN0009	Transistor	
Q202	B1GBCFNN0009	Transistor	
Q262	YESAN085	Transistor	
Q263	B1GDCFJJ0008	Transistor	
Q266	YESAN085	Transistor	
Q267	B1GDCFJJ0008	Transistor	
Q346	YESAN085	Transistor	
Q347	B1GDCFJJ0008	Transistor	
Q362	YESAN085	Transistor	
Q363	B1GDCFJJ0008	Transistor	
Q366	YESAN085	Transistor	
Q367	B1GDCFJJ0008	Transistor	
Q411	YEAN2SK536TB	Transistor	
Q630	B1GBCFNN0009	Transistor	
Q633	B1GDCFJJ0008	Transistor	
Q650	YESAN084	Transistor	
Q661	B1GBCFNN0009	Transistor	
Q662	B1GBCFNN0009	Transistor	
Q680	YESAN094	Transistor	
Q701	YESAN084	Transistor	
Q720	YESAN093	FET	

Ref. No.	Part No.	Part Name & Description	Remarks
Q721	YESAN084	Transistor	
Q722	YESAN093	FET	
Q723	YESAN084	Transistor	
Q730	YESAN093	FET	
Q731	YESAN084	Transistor	
Q740	YESAN079	Transistor	
Q751	YESAN087	Transistor	
Q760	B1GBCFNN0009	Transistor	
Q761	YESAN090	Transistor	
Q770	YESAN088	Transistor	
DIODEs			
D270	YESAD146	Diode	
D271	YESAD146	Diode	
D272	YESAD146	Diode	
D273	YESAD146	Diode	
D274	YESAD146	Diode	
D275	YESAD146	Diode	
D276	YESAD146	Diode	
D277	YESAD146	Diode	
D278	YESAD146	Diode	
D279	YESAD146	Diode	
D280	YESAD146	Diode	
D281	YESAD151	Diode	
D282	YESAD146	Diode	
D630	YESAD125	LED	
D631	YESAD150	Zener Diode	
D632	YESAD150	Zener Diode	
D670	YESAD144	Diode	
D701	YESAD139	Diode	
D702	YESAD153	Zener Diode	
D703	YESAD143	Diode	
D720	YESAD146	Diode	
D721	YESAD146	Diode	
D740	YESAD146	Diode	
D741	YESAD118	Diode	
D750	YESAD141	Diode	
D758	YESAD154	Zener Diode	
D759	YESAD119	Zener Diode	
D760	YESAD146	Diode	
D761	YESAD140	Diode	
D770	YESAD152	Zener Diode	
D771	MA3X152K0L	Diode	
D790	YESAD143	Diode	
CAPACITORs			
C052	YECUS1H470JC	Ceramic, 47pF 50WV	
C053	YESCC228	Ceramic, 0.1 F 16WV	
C054	YESCC313	Electrolytic, 220 F 10WV	
C055	YESCC234	Ceramic, 0.01 F 50WV	
C061	YESCC231	Ceramic, 0.022 F 25WV	
C062	YESCC231	Ceramic, 0.022 F 25WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C065	YESCC233	Ceramic, 0.001 μ F 50WV	
C203	YESCC336	Electrolytic, 2.2 μ F 50WV	
C204	YESCC336	Electrolytic, 2.2 μ F 50WV	
C206	YESCC336	Electrolytic, 2.2 μ F 50WV	
C210	YESCC405	Electrolytic, 10 μ F 16WV	
C211	YESCC385	Ceramic, 0.1 μ F 16WV	
C212	YESCC313	Electrolytic, 220 μ F 10WV	
C213	YESCC191	Ceramic, 2.2 μ F 50WV	
C217	YESCC230	Ceramic, 0.33 μ F 16WV	
C220	YESCC410	Electrolytic, 4.7 μ F 50WV	
C225	YESCC410	Electrolytic, 4.7 μ F 50WV	
C240	F1H1H101A231	Ceramic, 100pF 50WV	
C241	YESCC414	Electrolytic, 1 μ F 50WV	
C249	YESCC228	Ceramic, 0.1 μ F 16WV	
C250	YESCC249	Ceramic, 0.22 μ F 16WV	
C261	YESCC337	Electrolytic, 4.7 μ F 50WV	
C263	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	
C265	YESCC337	Electrolytic, 4.7 μ F 50WV	
C267	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	
C270	F1H1H101A231	Ceramic, 100pF 50WV	
C271	YESCC403	Ceramic, 0.0047 μ F 50WV	
C272	YESCC235	Ceramic, 0.0047 μ F 50WV	
C274	YESCC413	Electrolytic, 22 μ F 10WV	
C276	YESCC404	Electrolytic, 10 μ F 16WV	
C277	YESCC408	Electrolytic, 1 μ F 50WV	
C278	YESCC228	Ceramic, 0.1 μ F 16WV	
C279	YESCC368	Electrolytic, 2200uF 16WV	
C280	YESCC191	Ceramic, 2.2 μ F 50WV	
C281	F1H1H101A231	Ceramic, 100pF 50WV	
C282	YESCC191	Ceramic, 2.2 μ F 50WV	
C285	YESCC228	Ceramic, 0.1 μ F 16WV	
C306	YESCC409	Electrolytic, 2.2 μ F 50WV	
C313	YESCC191	Ceramic, 2.2 μ F 50WV	
C317	YESCC230	Ceramic, 0.33 μ F 16WV	
C320	YESCC410	Electrolytic, 4.7 μ F 50WV	
C325	YESCC410	Electrolytic, 4.7 μ F 50WV	
C340	YESCC410	Electrolytic, 4.7 μ F 50WV	
C345	YESCC337	Electrolytic, 4.7 μ F 50WV	
C349	YESCC313	Electrolytic, 220 μ F 10WV	
C361	YESCC337	Electrolytic, 4.7 μ F 50WV	
C363	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	
C365	YESCC337	Electrolytic, 4.7 μ F 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C367	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	
C370	F1H1H101A231	Ceramic, 100pF 50WV	
C371	YESCC235	Ceramic, 0.0047 μ F 50WV	
C372	YESCC235	Ceramic, 0.0047 μ F 50WV	
C374	YESCC413	Electrolytic, 22 μ F 10WV	
C375	YESCC338	Electrolytic, 0.47 μ F 50WV	
C378	YESCC228	Ceramic, 0.1 μ F 16WV	
C381	F1H1H101A231	Ceramic, 100pF 50WV	
C401	YESCC398	Ceramic, 12pF 50WV	
C402	YESCC290	Chip, 10pF 50WV	
C403	YESCC411	Electrolytic, 100 μ F 6.3WV	
C404	YESCC234	Ceramic, 0.01 μ F 50WV	
C405	F1H1H101A231	Ceramic, 100pF 50WV	
C406	YESCC234	Ceramic, 0.01 μ F 50WV	
C411	YESCC234	Ceramic, 0.01 μ F 50WV	
C412	YESCC231	Ceramic, 0.022 μ F 25WV	
C413	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	
C414	YESCC313	Electrolytic, 220 μ F 10WV	
C415	YESCC313	Electrolytic, 220 μ F 10WV	
C416	YESCC313	Electrolytic, 220 μ F 10WV	
C600	YESCC397	Electrolytic, 1000 μ F 6.3WV	
C601	YESCC385	Ceramic, 0.1 μ F 16WV	
C602	YESCC401	Ceramic, 0.01 μ F 50WV	
C603	YESCC397	Electrolytic, 1000 μ F 6.3WV	
C605	YESCC385	Ceramic, 0.1 μ F 16WV	
C606	YESCC399	Ceramic, 18pF 50WV	
C607	YESCC202	Ceramic, 22pF 50WV	
C608	YESCC228	Ceramic, 0.1 F 16WV	
C609	YESCC229	Ceramic, 1 F 16WV	
C610	YESCC228	Ceramic, 0.1 F 16WV	
C611	YESCC315	Electrolytic, 330 F 6.3WV	
C631	YESCC412	Electrolytic, 47 F 6.3WV	
C650	YESCC401	Ceramic, 0.01 F 50WV	
C670	YESCC405	Electrolytic, 10 F 16WV	
C671	YESCC401	Ceramic, 0.01 F 50WV	
C680	YESCC409	Electrolytic, 2.2 F 50WV	
C702	YECUS1H104KX	Ceramic, 0.1 F 50WV	
C710	YESCC284	Ceramic, 0.18 F 50WV	
C711	YESCC401	Ceramic, 0.01 F 50WV	
C740	YESCC396	Electrolytic, 470 F 16WV	
C741	YESCC379	Electrolytic, 150uF 6.3WV	
C751	YESCC370	Electrolytic, 1000uF 16WV	
C752	YESCC365	Electrolytic, 120uF 10WV	
C753	YESCC412	Electrolytic, 47 F 6.3WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C755	YESCC385	Ceramic, 0.1 μ F 16WV	
C756	YESCC380	Electrolytic, 39uF 6.3WV	
C759	YESCC229	Ceramic, 1 μ F 16WV	
C762	YESCC407	Electrolytic, 47 μ F 16WV	
C763	YESCC228	Ceramic, 0.1 μ F 16WV	
C765	YESCC229	Ceramic, 1 μ F 16WV	
C766	YESCC229	Ceramic, 1 μ F 16WV	
C767	YESCC228	Ceramic, 0.1 μ F 16WV	
C770	YESCC406	Electrolytic, 100 μ F 16WV	
C790	YECUS1H104KX	Ceramic, 0.1 μ F 50WV	
RESISTORS			
J101	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J102	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J103	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J104	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J105	YESRG132	Chip, 0 Ω 1/4W	
J106	YESRG132	Chip, 0 Ω 1/4W	
J107	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J108	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J109	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J110	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J111	YESRG132	Chip, 0 Ω 1/4W	
J112	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J113	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J114	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J115	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J116	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J117	YESRG132	Chip, 0 Ω 1/4W	
J118	YESRG132	Chip, 0 Ω 1/4W	
J119	YESRG132	Chip, 0 Ω 1/4W	
J120	YESRG132	Chip, 0 Ω 1/4W	
J121	YESRG132	Chip, 0 Ω 1/4W	
J122	YESRG132	Chip, 0 Ω 1/4W	
J124	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J125	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J126	YESRG132	Chip, 0 Ω 1/4W	
J127	YESRG132	Chip, 0 Ω 1/4W	
J128	YESRG132	Chip, 0 Ω 1/4W	
J129	YESRG132	Chip, 0 Ω 1/4W	
J131	YESRG132	Chip, 0 Ω 1/4W	
J132	YESRG132	Chip, 0 Ω 1/4W	
J133	YESRG132	Chip, 0 Ω 1/4W	
J134	YESRG132	Chip, 0 Ω 1/4W	
J136	YESRG132	Chip, 0 Ω 1/4W	

Ref. No.	Part No.	Part Name & Description	Remarks
J137	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J138	YESRG132	Chip, 0 Ω 1/4W	
J139	YESRG132	Chip, 0 Ω 1/4W	
J140	YESRG132	Chip, 0 Ω 1/4W	
J141	YESRG132	Chip, 0 Ω 1/4W	
J142	YESRG132	Chip, 0 Ω 1/4W	
J143	YESRG132	Chip, 0 Ω 1/4W	
J145	YESRG132	Chip, 0 Ω 1/4W	
J146	YESRG132	Chip, 0 Ω 1/4W	
J147	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J148	YESRG132	Chip, 0 Ω 1/4W	
J149	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J150	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J151	YESRG132	Chip, 0 Ω 1/4W	
J152	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J153	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J154	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J157	YESRG134	Chip, 0 Ω 1/4W	
J158	YESRG132	Chip, 0 Ω 1/4W	
J159	YESRG132	Chip, 0 Ω 1/4W	
J160	YESRG132	Chip, 0 Ω 1/4W	
J201	YESRG093	Chip, 0 Ω 1/8W	
J202	YESRG093	Chip, 0 Ω 1/8W	
J204	YESRG093	Chip, 0 Ω 1/8W	
J205	YESRG093	Chip, 0 Ω 1/8W	
J206	YESRG093	Chip, 0 Ω 1/8W	
L290	YESRG093	Chip, 0 Ω 1/8W	
L291	YESRG093	Chip, 0 1/8W	
L292	YESRG093	Chip, 0 1/8W	
L295	YESRG102	Chip, 18 1/8W	
L296	YESRG102	Chip, 18 1/8W	
L298	YESRG093	Chip, 0 1/8W	
L395	YESRG102	Chip, 18 1/8W	
L396	YESRG102	Chip, 18 1/8W	
L398	YESRG093	Chip, 0 1/8W	
R050	YESRG127	Chip, 5.6 1/8W	
R051	YESRG093	Chip, 0 1/8W	
R052	YESRG094	Chip, 100 1/8W	
R055	YESRG114	Chip, 330 1/8W	
R059	YESRG161	Chip, 100k 1/10W	
R060	YESRG093	Chip, 0 1/8W	
R065	YESRG117	Chip, 39k 1/8W	
R201	YESRG261	Chip, 56k 1/10W	
R202	YESRG261	Chip, 56k 1/10W	
R203	YESRG263	Chip, 75 1/10W	
R204	YESRG263	Chip, 75 1/10W	
R206	YESRG168	Chip, 4.3k 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R207	YESRG256	Chip, 33k Ω 1/10W	
R208	YESRG159	Chip, 1k Ω 1/10W	
R209	YESRG159	Chip, 1k Ω 1/10W	
R210	YESRG160	Chip, 10k Ω 1/10W	
R211	YESRG161	Chip, 100k Ω 1/10W	
R213	YESRG260	Chip, 5.6k Ω 1/10W	
R214	YESRG265	Chip, 9.1k Ω 1/10W	
R217	YESRG105	Chip, 18k Ω 1/8W	
R240	YESRG160	Chip, 10k Ω 1/10W	
R241	YESRG257	Chip, 36k Ω 1/10W	
R242	YESRG161	Chip, 100k Ω 1/10W	
R248	YESRG102	Chip, 18 Ω 1/8W	
R250	YESRG266	Chip, 910 Ω 1/8W	
R261	YESRG103	Chip, 180 Ω 1/8W	
R262	YESRG096	Chip, 10k Ω 1/8W	
R263	YESRG124	Chip, 560 Ω 1/8W	
R265	YESRG103	Chip, 180 Ω 1/8W	
R266	YESRG096	Chip, 10k Ω 1/8W	
R267	YESRG124	Chip, 560 Ω 1/8W	
R270	YESRG160	Chip, 10k Ω 1/10W	
R271	YESRG257	Chip, 36k Ω 1/10W	
R272	YESRG161	Chip, 100k Ω 1/10W	
R274	YESRG107	Chip, 220 Ω 1/8W	
R275	YESRG165	Chip, 22k Ω 1/10W	
R280	YESRG040	Chip, 130 Ω 1/10W	
R281	YESRG257	Chip, 36k Ω 1/10W	
R282	YESRG161	Chip, 100k Ω 1/10W	
R284	YESRG160	Chip, 10k 1/10W	
R306	YESRG168	Chip, 4.3k 1/10W	
R307	YESRG256	Chip, 33k 1/10W	
R313	YESRG260	Chip, 5.6k 1/10W	
R314	YESRG265	Chip, 9.1k 1/10W	
R317	YESRG105	Chip, 18k 1/8W	
R323	YESRG159	Chip, 1k 1/10W	
R325	YESRG210	Chip, 470 1/10W	
R345	YESRG250	Chip, 120 1/10W	
R346	YESRG096	Chip, 10k 1/8W	
R348	YESRG102	Chip, 18 1/8W	
R361	YESRG103	Chip, 180 1/8W	
R362	YESRG096	Chip, 10k 1/8W	
R363	YESRG124	Chip, 560 1/8W	
R365	YESRG103	Chip, 180 1/8W	
R366	YESRG096	Chip, 10k 1/8W	
R367	YESRG124	Chip, 560 1/8W	
R370	YESRG160	Chip, 10k 1/10W	
R371	YESRG257	Chip, 36k 1/10W	
R372	YESRG161	Chip, 100k 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R374	YESRG164	Chip, 220 Ω 1/10W	
R375	YESRG161	Chip, 100k Ω 1/10W	
R376	YESRG120	Chip, 47k Ω 1/8W	
R377	YESRG157	Chip, 0 Ω 1/10W	
R378	YESRG157	Chip, 0 Ω 1/10W	
R379	YESRG165	Chip, 22k Ω 1/10W	
R381	YESRG257	Chip, 36k Ω 1/10W	
R382	YESRG161	Chip, 100k Ω 1/10W	
R384	YESRG160	Chip, 10k Ω 1/10W	
R401	YESRG162	Chip, 1.5k Ω 1/10W	
R402	YESRG169	Chip, 4.7k Ω 1/10W	
R403	YESRG170	Chip, 47k Ω 1/10W	
R404	YESRG159	Chip, 1k Ω 1/10W	
R405	YESRG159	Chip, 1k Ω 1/10W	
R406	YESRG159	Chip, 1k Ω 1/10W	
R407	YESRG159	Chip, 1k Ω 1/10W	
R408	YESRG170	Chip, 47k Ω 1/10W	
R409	YESRG159	Chip, 1k Ω 1/10W	
R410	YESRG157	Chip, 0 Ω 1/10W	
R411	YESRG157	Chip, 0 Ω 1/10W	
R413	YESRG251	Chip, 1.8k Ω 1/10W	
R414	YESRG124	Chip, 560 Ω 1/8W	
R417	YESRG154	Chip, 10 Ω 1/8W	
R601	YESRG168	Chip, 4.3k Ω 1/10W	
R602	YESRG168	Chip, 4.3k Ω 1/10W	
R603	YESRG157	Chip, 0 Ω 1/10W	
R604	YESRG157	Chip, 0 Ω 1/10W	
R605	YESRG159	Chip, 1k 1/10W	
R607	YESRG256	Chip, 33k 1/10W	
R608	YESRG264	Chip, 8.2k 1/10W	
R609	YESRG170	Chip, 47k 1/10W	
R612	YESRG170	Chip, 47k 1/10W	
R613	YESRG160	Chip, 10k 1/10W	
R614	YESRG160	Chip, 10k 1/10W	
R615	YESRG096	Chip, 10k 1/8W	
R619	YESRG163	Chip, 180k 1/10W	
R620	YESRG160	Chip, 10k 1/10W	
R621	YESRG158	Chip, 100 1/10W	
R622	YESRG170	Chip, 47k 1/10W	
R623	YESRG161	Chip, 100k 1/10W	
R624	YESRG161	Chip, 100k 1/10W	
R625	YESRG093	Chip, 0 1/8W	
R626	YESRG095	Chip, 1k 1/8W	
R627	YESRG160	Chip, 10k 1/10W	
R628	YESRG160	Chip, 10k 1/10W	
R629	YESRG161	Chip, 100k 1/10W	
R630	YESRG095	Chip, 1k 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R631	YESRG130	Chip, 820 Ω 1/8W	
R633	YESRG095	Chip, 1k Ω 1/8W	
R634	YESRG094	Chip, 100 Ω 1/8W	
R635	YESRG124	Chip, 560 Ω 1/8W	
R636	YESRG095	Chip, 1k Ω 1/8W	
R637	YESRG094	Chip, 100 Ω 1/8W	
R638	YESRG095	Chip, 1k Ω 1/8W	
R639	YESRG095	Chip, 1k Ω 1/8W	
R641	YESRG170	Chip, 47k Ω 1/10W	
R643	YESRG214	Chip, 180k Ω 1/8W	
R644	YESRG095	Chip, 1k Ω 1/8W	
R645	YESRG159	Chip, 1k Ω 1/10W	
R646	YESRG214	Chip, 180k Ω 1/8W	
R647	YESRG160	Chip, 10k Ω 1/10W	
R648	YESRG209	Chip, 2.2k Ω 1/10W	
R651	YESRG093	Chip, 0 Ω 1/8W	
R652	YESRG161	Chip, 100k Ω 1/10W	
R653	YESRG251	Chip, 1.8k Ω 1/10W	
R654	YESRG171	Chip, 5.1k Ω 1/10W	
R655	YESRG160	Chip, 10k Ω 1/10W	
R656	YESRG254	Chip, 2.7k Ω 1/10W	
R657	YESRG095	Chip, 1k Ω 1/8W	
R659	YESRG254	Chip, 2.7k Ω 1/10W	
R660	YESRG254	Chip, 2.7k Ω 1/10W	
R662	YESRG159	Chip, 1k Ω 1/10W	
R663	YESRG171	Chip, 5.1k Ω 1/10W	
R664	YESRG171	Chip, 5.1k Ω 1/10W	
R665	YESRG170	Chip, 47k 1/10W	
R666	YESRG170	Chip, 47k 1/10W	
R667	YESRG170	Chip, 47k 1/10W	
R671	YESRG161	Chip, 100k 1/10W	
R672	YESRG161	Chip, 100k 1/10W	
R673	YESRG161	Chip, 100k 1/10W	
R675	YESRG093	Chip, 0 1/8W	
R676	YESRG157	Chip, 0 1/10W	
R677	YESRG157	Chip, 0 1/10W	
R678	YESRG157	Chip, 0 1/10W	
R680	YESRG253	Chip, 270 1/10W	
R681	YESRG125	Chip, 5.6k 1/8W	
R685	YESRG159	Chip, 1k 1/10W	
R686	YESRG159	Chip, 1k 1/10W	
R687	YESRG159	Chip, 1k 1/10W	
R688	YESRG159	Chip, 1k 1/10W	
R689	YESRG159	Chip, 1k 1/10W	
R690	YESRG159	Chip, 1k 1/10W	
R701	YESRG268	Chip, 3.3k 1/4W	
R702	YESRG267	Chip, 10k 1/4W	

Ref. No.	Part No.	Part Name & Description	Remarks
R710	YESRG252	Chip, 220k Ω 1/10W	
R711	YESRG262	Chip, 680k Ω 1/10W	
R712	YESRG170	Chip, 47k Ω 1/10W	
R713	YESRG161	Chip, 100k Ω 1/10W	
R714	YESRG159	Chip, 1k Ω 1/10W	
R715	YESRG159	Chip, 1k Ω 1/10W	
R716	YESRG170	Chip, 47k Ω 1/10W	
R717	YESRG161	Chip, 100k Ω 1/10W	
R720	YESRG264	Chip, 8.2k Ω 1/10W	
R721	YESRG168	Chip, 4.3k Ω 1/10W	
R722	YESRG191	Chip, 22k Ω 1/4W	
R723	YESRG264	Chip, 8.2k Ω 1/10W	
R724	YESRG168	Chip, 4.3k Ω 1/10W	
R725	YESRG109	Chip, 22k Ω 1/8W	
R726	YESRG109	Chip, 22k Ω 1/8W	
R727	YESRG132	Chip, 0 Ω 1/4W	
R730	YESRG168	Chip, 4.3k Ω 1/10W	
R731	YESRG264	Chip, 8.2k Ω 1/10W	
R740	YESRG109	Chip, 22k Ω 1/8W	
R751	YESRG170	Chip, 47k Ω 1/10W	
R752	YESRG162	Chip, 1.5k Ω 1/10W	
R753	YESRG157	Chip, 0 Ω 1/10W	
R760	YESRG155	Carbon, 3.9 Ω 1/2W	
R761	YESRG255	Chip, 3.3k Ω 1/10W	
R762	YESRG095	Chip, 1k Ω 1/8W	
R763	YESRG159	Chip, 1k Ω 1/10W	
R764	YESRG093	Chip, 0 Ω 1/8W	
R766	YESRG132	Chip, 0 Ω 1/4W	
R770	YESRG118	Chip, 470 Ω 1/8W	
R771	YESRG118	Chip, 470 Ω 1/8W	
R791	YESRG118	Chip, 470 Ω 1/8W	
CONNECTORS			
CN251	YESAE382	RCA Wire (CH/AUX)	
CN253	YESAJ07023	RCA Wire (S.W-OUT)	
CN301	K2HA104B0010	Jack, RCA	
CN601	K1MN16B00130	Connector, 16P	
CN661	YESAE344	Connector 18P	
CN670	YESAE381	Wire Connector 6P	
CN680	YESAE383	Jack, DIN	
CN701	YESAE351	Connector 16P	
CN760	YESAE380	Connector 2P	
COILS			
L050	YESLQ035	Coil	
L052	YESLQ028	Coil	
L401	YESLQ017	Coil	
L601	YESLQ027	Coil	

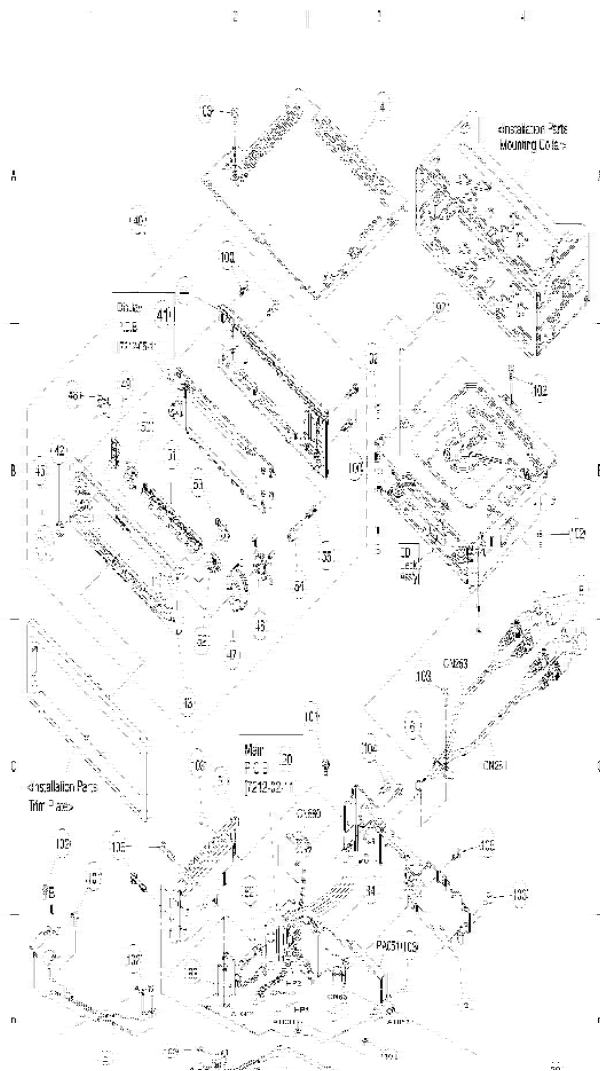
Ref. No.	Part No.	Part Name & Description	Remarks
L602	YESLQ027	Coil	
L603	YESLQ027	Coil	
L641	YESLQ028	Coil	
L701	YESLT030	Coil	
CRYSTALs			
XL401	YESXL026	Crystal	
XL601	H0J419400009	Crystal	
POSISTOR			
PH701	YESRTD011	Posistor	
SERGEPROTECTOR/ VARISTOR			
Z050	YESRTD013	Serge Protector	
Z701	YESRTD012	Varistor	
SWITCHes			
SW601	YESAS125	Switch	
SW602	YESAS124	Switch	
[7212-05-11] Display Block			
IC's			
IC901	YESAM168	IC	
IC902	YESAM264	IC	
DIODEs			
D902	YESAD125	LED	
D903	YESAD125	LED	
D904	YESAD125	LED	
D905	YESAD125	LED	
D911	YESAD125	LED	
D912	YESAD125	LED	
D913	YESAD125	LED	
D914	YESAD125	LED	
D915	YESAD125	LED	
D916	YESAD125	LED	
D917	YESAD125	LED	
D918	YESAD142	LED	
D919	YESAD142	LED	
D920	YESAD145	LED	
D922	YESAD145	LED	
D931	YESAD150	Zener Diode	
D936	YESAD144	Diode	
CAPACITORs			
C901	YESCC400	Ceramic, 0.22 F 10WV	
C902	YESCC385	Ceramic, 0.1 F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C903	YESCC385	Ceramic, 0.1 μ F 16WV	
C905	YESCC385	Ceramic, 0.1 μ F 16WV	
C906	YESCC386	Ceramic, 0.001 μ F 50WV	
C908	YESCC382	Ceramic, 680 μ F 50WV	
RESISTORs			
R902	YESRG258	Chip, 43k Ω 1/10W	
R903	YESRG164	Chip, 220 Ω 1/10W	
R904	YESRG159	Chip, 1k Ω 1/10W	
R905	YESRG159	Chip, 1k Ω 1/10W	
R906	YESRG159	Chip, 1k Ω 1/10W	
R908	YESRG094	Chip, 100 Ω 1/8W	
R909	YESRG159	Chip, 1k Ω 1/10W	
R910	YESRG209	Chip, 2.2k Ω 1/10W	
R911	YESRG093	Chip, 0 Ω 1/8W	
R913	YESRG093	Chip, 0 Ω 1/8W	
R914	YESRG093	Chip, 0 Ω 1/8W	
R916	YESRG093	Chip, 0 Ω 1/8W	
R920	YESRG143	Chip, 330 Ω 1/4W	
R922	YESRG143	Chip, 330 Ω 1/4W	
R950	YESRG201	Chip, 620 Ω 1/8W	
R951	YESRG215	Chip, 430 Ω 1/8W	
R952	YESRG215	Chip, 430 Ω 1/8W	
R953	YESRG201	Chip, 620 Ω 1/8W	
R954	YESRG213	Chip, 160 Ω 1/8W	
R958	YESRG118	Chip, 470 Ω 1/8W	
CONNECTOR			
CN901	YESAE379	Connector 16P	
SWITCHes			
SW901	YESAS123	Switch	
SW902	K0H1BA000445	Switch	
SW903	K0H1BA000445	Switch	
SW904	K0H1BA000445	Switch	
SW905	K0H1BA000445	Switch	
SW906	K0H1BA000445	Switch	
SW907	K0H1BA000445	Switch	
SW908	K0H1BA000445	Switch	
SW909	K0H1BA000445	Switch	
SW910	K0H1BA000445	Switch	
SW911	K0H1BA000445	Switch	
SW912	K0H1BA000445	Switch	
SW913	K0H1BA000445	Switch	
SW914	K0H1BA000445	Switch	
SW915	K0H1BA000445	Switch	
SW916	K0H1BA000445	Switch	
SW917	K0H1BA000445	Switch	

Ref. No.	Part No.	Part Name & Description	Remarks
LCD			
LD901	YESXDCM025	LCD	
Accessories			
PRINTINGS			
	YEFM285870	Operating Instructions	
	YEFM294217	Installation Instructions	
INSTALLATION PARTS			
	YEP0FZ5698	Installation Kit (Lock Cancel Plate, Mounting Bolt, Rubber Bushing)	
	YEAJ02877	Power Connector	
	YEF0C051004	Trim Plate	
	YEFX0217263	Mounting Collar	
	YEF0A131839	Removable Face Plate Case	
	EUR7641010	Remote Control Unit (Includes a battery)	
	CR2025/1F	Lithium Battery	
MECHANICAL PARTS			
MISCELLANEOUS			
AT001	YESAT01031	Earth Terminal	
AT002	YESAT01031	Earth Terminal	
AT051	YM104C700ZA	Antenna Receptacle	
HP1	YESFX007028	Clamper	
HP2	YESFX007028	Clamper	
2	YESFA07013	Front Plate	
3	YESFA08026	Rear plate	
4	YESFA03058	Top Cover	
5	YESFF01085	Heat Sink	
6	YESFX007025	Cord Clamper	
8	YESFR01019	RCA Cap	
20	YESAP430	Main PCB w/component	RTL
25	YESFX001028	Transparent Plate, CD	
26	YESFC02121	Rear Cover, Escutcheon	
27	YESFC02130	Frame	
28	YESFA13015	Flexible PCB Case	
29	YESFS01089	Dust Felt	
30	YESFS01087	Pad	
31	YEAP2879	Flexible PCB	
32	YESAE384	Connector, Flexible PCB	
40	YESSDF0187	Removable Face Plate Unit	RTL
41	YESAP416	Display PCB w/component	RTL
42	YESFX005138	Knob Spring	
43	YESFC02247	Front Face Ass'y	
44	YESFA08039	Rear Cover, Escutcheon	
45	YESFE02023	Knob, VOL	
46	YESFE13224	Button (BAND)	
47	YESFE13225	Button (TUN/TRACK)	
48	YESFE13226	Button (SOURCE)	
49	YESFE13230	Button (MUT)	
50	YESFE13227	Button (SQ)	

Ref. No.	Part No.	Part Name & Description	Remarks
51	YESFE13228	Button (PRESET)	
52	YESFE13229	Button (DISP)	
53	YESFE13231	Button (CD EJ)	
54	YESFE13232	Button (Release)	
55	YESFX005160	Spring, Release	
81	YESFX999074	Drive Mechanism Ass'y	
82	YESFX021143	Bracket, Power IC	
83	YESFX021141	Regulator Bracket	
84	YESFX021142	RCA Bracket	
92	YESFM1089	Laser Seal	
100	YESJS01196	Camera 2P 2.0*8.0	
101	YESJS01190	Cup S Tite 2.6*6.0	
102	YESJS01188	Bind S Tite 2.6*5.0	
103	YESJS01194	Bind S Tite 3.0*6.0	
104	YESJS01192	Bind Screw 3.0*6.0	
105	YESJS01191	Bind Screw 2.6*8.0	
106	YESJS01193	Bind Screw 3.0*14.0	
107	YESJS01195	Camera Screw 3 2.0*4.0	
108	YESJS01197	Cup Screw 2.0*4.0	

13. EXPLODED VIEW (Unit)



14. CD PLAYER PARTS LIST

Notes :

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components, identified by  mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

- 3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
- 4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

- Order intake period is basically six months after the first shipment.**

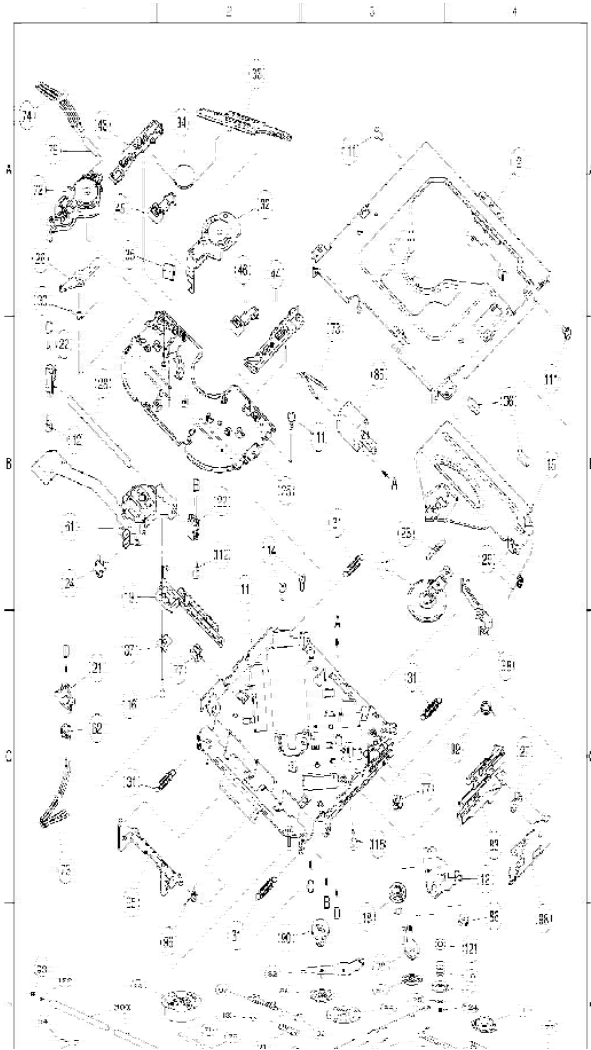
Ref. No.	Part No.	Part Name & Description	Remarks
C124	YESCC187	Ceramic, 0.1 F 25WV	
C125	YESCC187	Ceramic, 0.1 F 25WV	
C151	YESCC388	Electrolytic, 100 F 16WV	
C154	YESCC390	Electrolytic, 220 F 10WV	
C204	YESCC183	Ceramic, 0.0022 F 50WV	
C205	YESCC183	Ceramic, 0.0022 F 50WV	
C206	YESCC187	Ceramic, 0.1 F 25WV	
C210	YESCC187	Ceramic, 0.1 F 25WV	
C212	YESCC210	Ceramic, 1 F 16WV	
C251	YESCC390	Electrolytic, 220 F 10WV	
C252	YESCC390	Electrolytic, 220 F 10WV	
C253	YESCC389	Electrolytic, 470 F 6.3WV	
C301	YESCC203	Ceramic, 220pF 50WV	
C303	YESCC185	Ceramic, 0.01 F 50WV	
C304	YESCC185	Ceramic, 0.01 F 50WV	
C305	YESCC382	Ceramic, 680pF 50WV	
C306	YESCC382	Ceramic, 680pF 50WV	
C307	YESCC187	Ceramic, 0.1 F 25WV	
C351	YESCC381	Ceramic, 10 F 6.3WV	
C352	YESCC381	Ceramic, 10 F 6.3WV	
C353	YESCC391	Electrolytic, 100 F 16WV	
C354	YESCC390	Electrolytic, 220 F 10WV	
C401	YESCC187	Ceramic, 0.1 F 25WV	
C402	YESCC187	Ceramic, 0.1 F 25WV	
C403	YESCC187	Ceramic, 0.1 F 25WV	
C404	YESCC187	Ceramic, 0.1 F 25WV	
C405	YESCC187	Ceramic, 0.1 F 25WV	
C406	YESCC187	Ceramic, 0.1 F 25WV	
C407	YESCC187	Ceramic, 0.1 F 25WV	
C408	YESCC210	Ceramic, 1 F 16WV	
C409	YESCC187	Ceramic, 0.1 F 25WV	
C410	YESCC387	Ceramic, 0.47 F 25WV	
C411	YESCC187	Ceramic, 0.1 F 25WV	
C412	YESCC187	Ceramic, 0.1 F 25WV	
C413	YESCC187	Ceramic, 0.1 F 25WV	
C414	YESCC187	Ceramic, 0.1 F 25WV	
C415	YESCC187	Ceramic, 0.1 F 25WV	
C416	YESCC210	Ceramic, 1 F 16WV	
C417	YESCC187	Ceramic, 0.1 F 25WV	
C418	YESCC210	Ceramic, 1 F 16WV	
C419	YESCC187	Ceramic, 0.1 F 25WV	
C421	YESCC210	Ceramic, 1 F 16WV	
Ref. No.	Part No.	Part Name & Description	Remarks
[3032-14-13] CD Servo Block			
IC's and TRANSISTORS			
IC101	YESAM272	IC	
IC201	YESAM266	IC	
IC401	YESAM348	IC	
IC402	YESAM353	IC	
IC403	YESAM171	IC	
IC404	YESAM178	IC	
IC405	YESAM270	IC	
Q101	YESAN086	Transistor	
Q201	YESAN086	Transistor	
CAPACITORS			
C302	YESCC203	Ceramic, 220pF 50WV	
C101	YESCC187	Ceramic, 0.1 F 25WV	
C102	YESCC384	Ceramic, 0.033 F 50WV	
C103	YESCC206	Ceramic, 0.047 F 25WV	
C104	YESCC207	Ceramic, 0.001 F 50WV	
C106	YESCC204	Ceramic, 330pF 50WV	
C107	YESCC187	Ceramic, 0.1 F 25WV	
C108	YESCC206	Ceramic, 0.047 F 25WV	
C110	YESCC383	Ceramic, 0.33 F 10WV	
C112	YESCC209	Ceramic, 0.0033 F 50WV	
C113	YESCC187	Ceramic, 0.1 F 25WV	
C114	YESCC298	Ceramic, 0.015 F 50WV	
C115	YESCC187	Ceramic, 0.1 F 25WV	
C116	YESCC382	Ceramic, 680pF 50WV	
C117	YESCC207	Ceramic, 0.001 F 50WV	
C118	YESCC187	Ceramic, 0.1 F 25WV	
C119	YESCC187	Ceramic, 0.1 F 25WV	
C120	YESCC187	Ceramic, 0.1 F 25WV	
C121	YESCC187	Ceramic, 0.1 F 25WV	
C122	F1H1H101A231	Ceramic, 100pF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
C422	YESCC187	Ceramic, 0.1 μ F 25WV		R207	ERJ3GEY0R00V	Chip, 0 1/4W	
C426	YESCC187	Ceramic, 0.1 μ F 25WV		R208	YESRG233	Chip, 47k 1/10W	
C427	YESCC187	Ceramic, 0.1 μ F 25WV		R209	ERJ3GEY0R00V	Chip, 0 1/4W	
C451	YESCC389	Electrolytic, 470 μ F 6.3WV		R215	YESRG237	Chip, 5.6k 1/10W	
C452	YESCC389	Electrolytic, 470 μ F 6.3WV		R216	YESRG237	Chip, 5.6k 1/10W	
C453	YESCC389	Electrolytic, 470 μ F 6.3WV		R217	YESRG222	Chip, 1k 1/10W	
C454	YESCC388	Electrolytic, 100 μ F 16WV		R218	YESRG237	Chip, 5.6k 1/10W	
				R301	YESRG229	Chip, 330 1/10W	
				R302	YESRG229	Chip, 330 1/10W	
				R305	YESRG222	Chip, 1k 1/10W	
				R306	YESRG222	Chip, 1k 1/10W	
RESISTORS				R307	YESRG233	Chip, 47k 1/10W	
J101	ERJ8GX0R00V	Chip, 0 Ω 1/4W		R308	YESRG233	Chip, 47k 1/10W	
J102	ERJ8GX0R00V	Chip, 0 Ω 1/4W		R401	YESRG223	Chip, 10k 1/10W	
J103	ERJ8GX0R00V	Chip, 0 Ω 1/4W		R402	YESRG223	Chip, 10k 1/10W	
J104	ERJ8GX0R00V	Chip, 0 Ω 1/4W		R403	YESRG223	Chip, 10k 1/10W	
J105	ERJ8GX0R00V	Chip, 0 Ω 1/4W		R404	YESRG233	Chip, 47k 1/10W	
L102	YESRG241	Chip, 0 Ω		R405	YESRG232	Chip, 4.7k 1/10W	
L304	YESRG241	Chip, 0 Ω		R406	YESRG226	Chip, 220 1/10W	
R101	YESRG234	Chip, 4.7 Ω 1/10W		R407	YESRG230	Chip, 3.3k 1/10W	
R102	ERJ3GEY0R00V	Chip, 0 Ω 1/4W		R408	ERJ3GEY0R00V	Chip, 0 1/4W	
R103	YESRG227	Chip, 2.2k Ω 1/10W		R409	ERJ3GEY0R00V	Chip, 0 1/4W	
R104	YESRG227	Chip, 2.2k Ω 1/10W		R410	YESRG223	Chip, 10k 1/10W	
R105	ERJ3GEY0R00V	Chip, 0 Ω 1/4W		R411	YESRG226	Chip, 220 1/10W	
R106	YESRG230	Chip, 3.3k Ω 1/10W		R412	YESRG230	Chip, 3.3k 1/10W	
R107	YESRG230	Chip, 3.3k Ω 1/10W		R413	YESRG232	Chip, 4.7k 1/10W	
R108	ERJ3GEY0R00V	Chip, 0 Ω 1/4W		R414	YESRG232	Chip, 4.7k 1/10W	
R109	YESRG238	Chip, 56k Ω 1/10W		R415	YESRG232	Chip, 4.7k 1/10W	
R110	YESRG228	Chip, 22k 1/10W		R416	YESRG232	Chip, 4.7k 1/10W	
R114	YESRG240	Chip, 82k 1/10W		R417	YESRG223	Chip, 10k 1/10W	
R116	YESRG239	Chip, 820 1/10W		R419	YESRG226	Chip, 220 1/10W	
R117	ERJ3GEY0R00V	Chip, 0 1/4W		R420	YESRG236	Chip, 560 1/10W	
R118	YESRG223	Chip, 10k 1/10W		R421	ERJ3GEY0R00V	Chip, 0 1/4W	
R119	ERJ3GEY0R00V	Chip, 0 1/4W		R422	YESRG224	Chip, 100k 1/10W	
R120	ERJ3GEY0R00V	Chip, 0 1/4W		R423	YESRG235	Chip, 56 1/10W	
R121	ERJ3GEY0R00V	Chip, 0 1/4W		R424	YESRG235	Chip, 56 1/10W	
R122	ERJ3GEY0R00V	Chip, 0 1/4W		R425	YESRG223	Chip, 10k 1/10W	
R123	ERJ3GEY0R00V	Chip, 0 1/4W		R426	YESRG223	Chip, 10k 1/10W	
R124	YESRG224	Chip, 100k 1/10W		R427	YESRG222	Chip, 1k 1/10W	
R125	YESRG226	Chip, 220 1/10W		R428	YESRG222	Chip, 1k 1/10W	
R126	YESRG226	Chip, 220 1/10W		R429	YESRG222	Chip, 1k 1/10W	
R127	YESRG226	Chip, 220 1/10W		R430	YESRG222	Chip, 1k 1/10W	
R128	YESRG226	Chip, 220 1/10W		R431	YESRG222	Chip, 1k 1/10W	
R201	YESRG225	Chip, 1.5k 1/10W		R432	YESRG222	Chip, 1k 1/10W	
R202	ERJ3GEY0R00V	Chip, 0 1/4W		R433	YESRG227	Chip, 2.2k 1/10W	
R204	ERJ3GEY0R00V	Chip, 0 1/4W		R435	YESRG221	Chip, 100 1/10W	
R205	ERJ3GEY0R00V	Chip, 0 1/4W		R436	YESRG221	Chip, 100 1/10W	
R206	YESRG231	Chip, 33k 1/10W					

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
R437	YESRG221	Chip, 100 Ω 1/10W		13	YERFX007001	Clamper Ass'y	
R438	YESRG221	Chip, 100 Ω 1/10W		14	YESAK01041	Spindle Motor Ass'y	
R439	YESRG221	Chip, 100 Ω 1/10W		15	YERFX046002	Clamper Arm	
R440	YESRG221	Chip, 100 Ω 1/10W		16	YERFX005001	Changer Gear Spring	
R441	YESRG221	Chip, 100 Ω 1/10W		17	YERFX03001	Changer Gear 2	
				18	YERFX03002	Feed Gear	
				19	YERFX03003	Feed Rack M	
				20	YERFX046003	Changer Lock Lever	
				21	YERFW04001	Feed Switch Holder	
CONNECTORS				22	YERFW04002	PU Shaft Holder	
CN101	YESAE345	Connector 18P		23	YERFX005002	Clamper Sub Spring	
CN102	YESAE350	Connector 16P		24	YERFW04003	FD Sub Holder	
				25	YESFX046139	Top Plate	
				26	YERFX046004	Select Lock Arm	
COILS				27	YERFX046006	Slide Hook	
L101	YESLQ011	Inductor		28	YERFW01001	PU Shaft	
L201	YESLQ034	Inductor		29	YERFX005003	Clamper Arm Spring	
L301	YESLQ036	Inductor		30	YERFX005004	Select Lock Arm Spring	
L302	YESLQ036	Inductor		31	YERFX005013	Suspension Spring	
L401	YESLQ014	Inductor		32	YESFX046140	Select Arm R	
L402	YESLQ014	Inductor		33	YERFX03004	Link Plate	
L403	YESLQ014	Inductor		34	YESFX005137	Link Plate Spring	
L404	YESLQ033	Inductor		35	YERFS01001	Cushion F	
L405	YESLQ033	Inductor		36	YERFS01002	Cushion R	
L406	YESLQ033	Inductor		37	YERFX005014	Feed Spring Plate	
				38	YERFX046005	Trigger Arm	
CRYSTAL				43	YERFX046008	Select Plate L	
X401	YESXL018	Crystal		44	YERFX046009	Select Plate R	
				45	YERFX046010	Select Piece L	
				46	YERFX046011	Select Piece R	
RESISTOR NETWORKS				61	YESSZ1093	Optical Pick-up Ass'y	
RA401	YESXA003	Resistor Network, 56 Ω * 4		62	YERAS0001	Detect Switch	
RA402	YESXA003	Resistor Network, 56 Ω * 4		71	YESAP494	Servo PCB w/ Components	RTL
RA403	YESXB014	Resistor Network, 0 Ω * 4		72	YERAS0002	Mode Switch	
RA404	YESXB014	Resistor Network, 0 Ω * 4		73	YESAJ07014	LD Wire	
RA405	YESXA003	Resistor Network, 56 Ω * 4		74	YESAJ07015	SW Wire	
RA406	YESXA003	Resistor Network, 56 Ω * 4		75	YESAJ07016	SP Wire	
RA407	YESXA003	Resistor Network, 56 Ω * 4		77	YERFX999001	Wire Clamper	
RA408	YESXA003	Resistor Network, 56 Ω * 4		78	YESFX024021	Wire Tube SPM	
RA409	YESXA003	Resistor Network, 56 Ω * 4		79	YESFX024022	Wire Tube MSW	
RA410	YESXA003	Resistor Network, 56 Ω * 4		81	YERFX03005	Roller Shaft Ass'y	
RA411	YESXA003	Resistor Network, 56 Ω * 4		82	YERFX046012	Loading Gear Plate Rivet Ass'y	
RA412	YESXA003	Resistor Network, 56 Ω * 4		83	YERFX046013	Loading Plate Ass'y	
				84	YESFX046173	Lock Arm Rivet Ass'y	
				85	YESAK01042	Loading/Feed Motor Ass'y	
				86	YERFX03006	Loading Gear 1	
				87	YERFX03007	Loading Gear 2	
				88	YERFX03008	Loading Gear 3	
				89	YERFX03009	Loading Gear 4	
MECHANICAL PARTS				90	YERFX03010	Loading Gear 5	
MISCELLANEOUS				91	YERFX03011	Loading Gear 6	
1	YESFX046136	Frame		92	YERFX03012	Loading Gear 7	
2	YESFX046137	Top Cover		93	YESFW05023	Roller Guide	
3	YERFS04003	Damper F		94	YERFX005007	Rller Guide Spring	
4	YERFS04004	Damper R		95	YERFX046015	Disk Stopper Arm	
11	YESFA01075	Chassis Rivet Ass'y		96	YERFX005008	Disk Stop Arm Spring	
12	YERFX046001	Change Plate Rivet Ass'y		97	YERFX046016	LD Gear Bracket	

Ref. No.	Part No.	Part Name & Description	Remarks
98	YESFX046174	L Slide Plate	
99	YERFX005009	Loading Plate Spring	
100	YESFX046150	Loading Roller	
101	YESJS01175	Collar Screw	
111	YERJT01001	Tapping Screw 2*3	
112	YERJT01002	Tapping Screw 2*4	
113	YEJT03117	Tapping Bind Screw 2*4	
114	YERJS01002	Camera Screw 1.7*1.8	
115	YERJS01003	Camera Screw 2*2	
116	YERJS01004	Camera Tapping Screw 1.7*5	
118	YESJS01148	Screw 2*4	
121	YERJW01001	P Washer 3.5*8*0.3	
122	YERJW01002	HL Washer 3.5*8*0.3	
123	YERJW01003	Lumilar Washer 3.1*6*0.1	
124	YEJE01028	E Ring S 1.5	
125	YERJW01005	P Washer 2.1*4*0.3	

15. EXPLODED VIEW (CD Deck)



16. WIRING DIAGRAM

16.1. Main/Connector Block (Top View)

16.2. Main/Connector Block (Bottom View)

16.3. Display Block

16.4. CD Servo Block (Top View)

16.5. CD Servo Block (Bottom View)

17. SCHEMATIC DIAGRAM

17.1. Main Block -1 / Connector Block

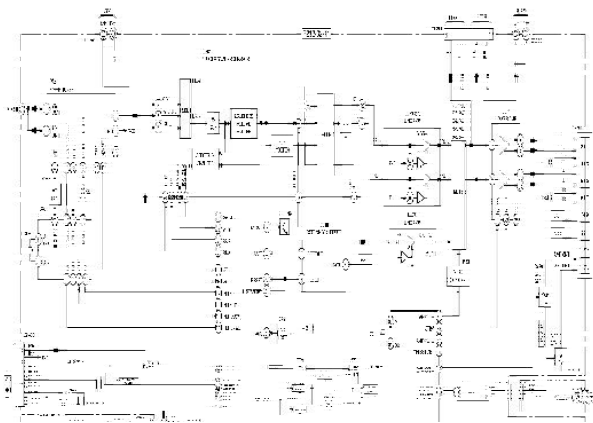
17.2. Main Block -2

17.3. Display Block

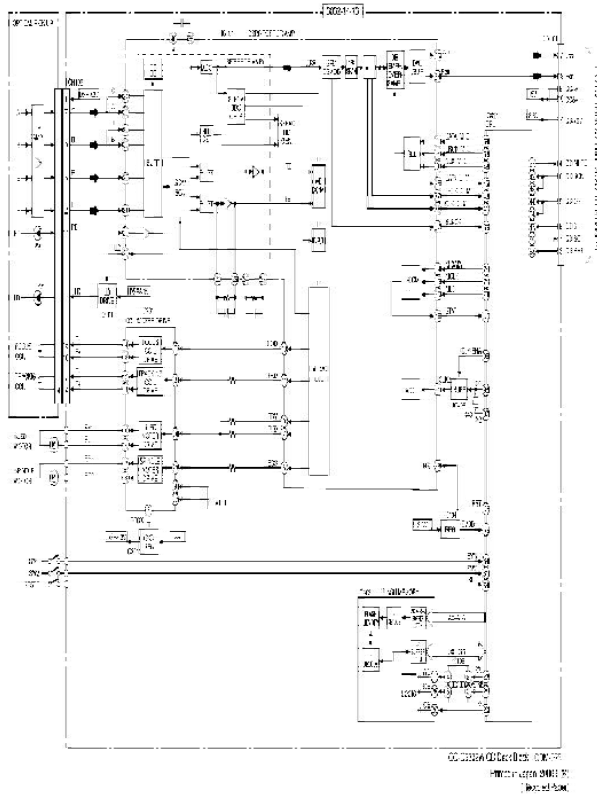
17.4. CD Servo Block

18. BLOCK DIAGRAM

18.1. Main/ Display/ Connector Block



18.2. CD Servo Block



19. SCHEMATIC DIAGRAM for Printing with A4 Size

19.1. Main Block -1 (Left Side)

19.2. Main Block -1 (Right Side)

19.3. Main Block -2 (Left Side)

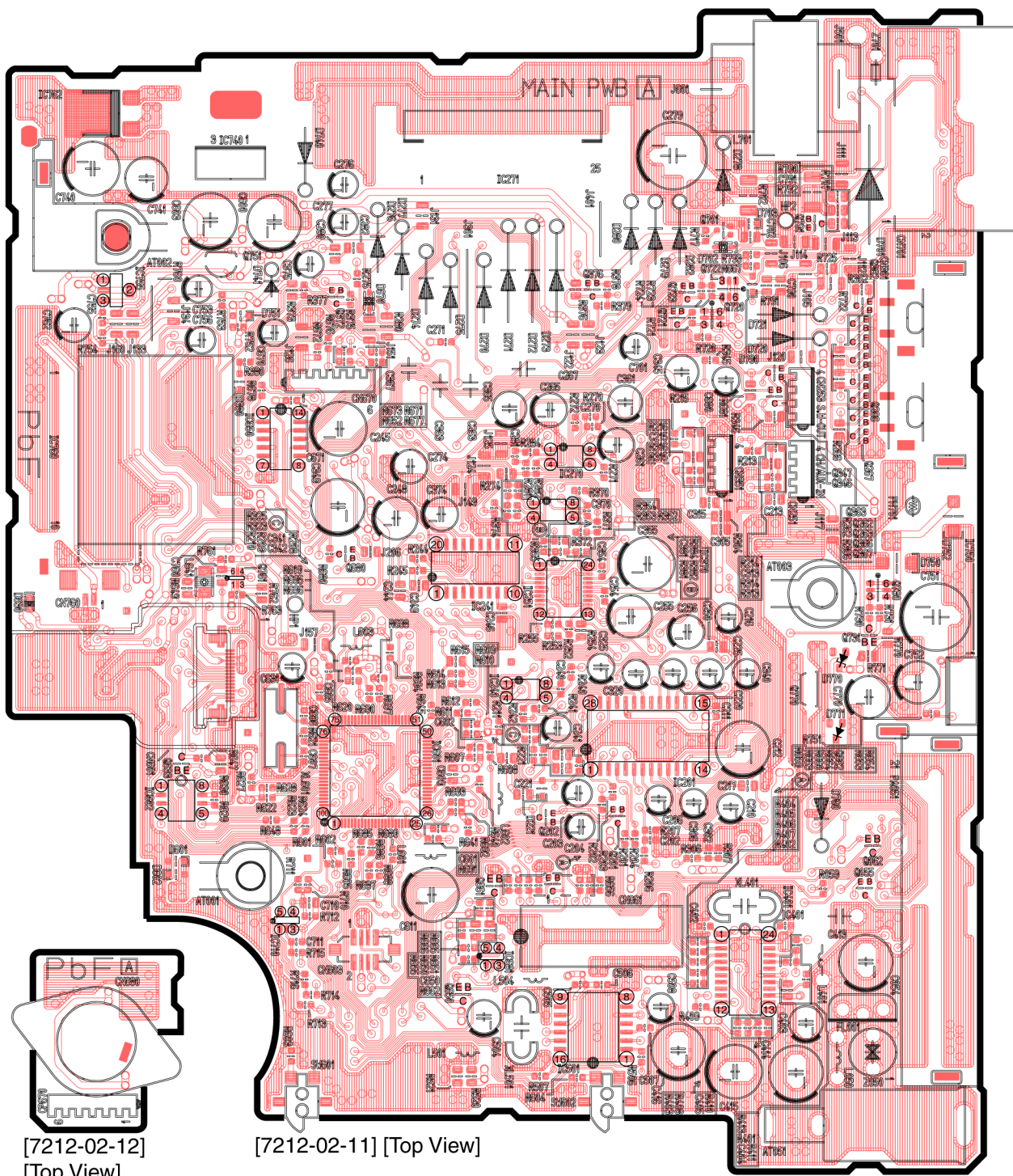
19.4. Main Block -2 (Right Side)

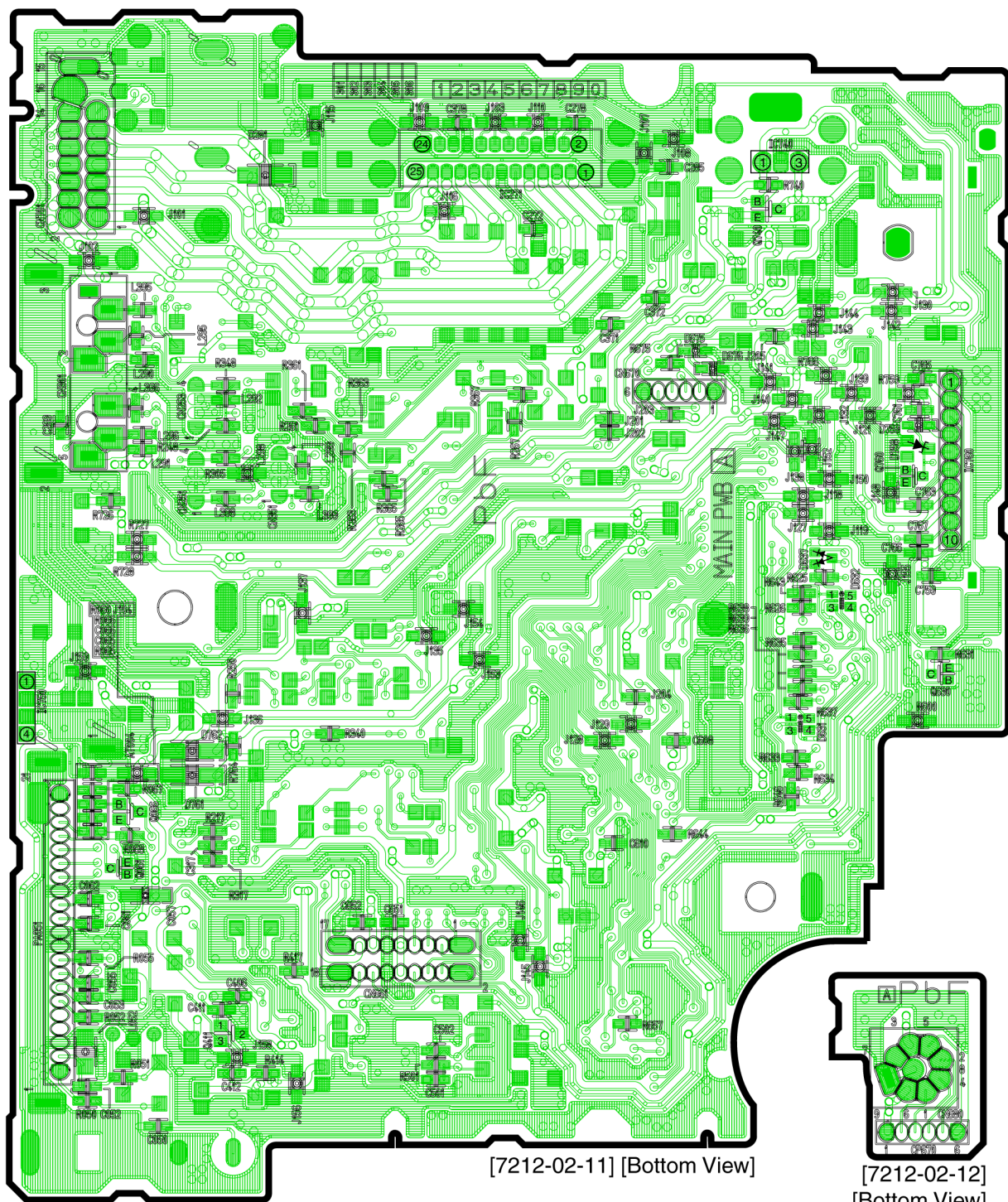
19.5. Display Block (Left Side)

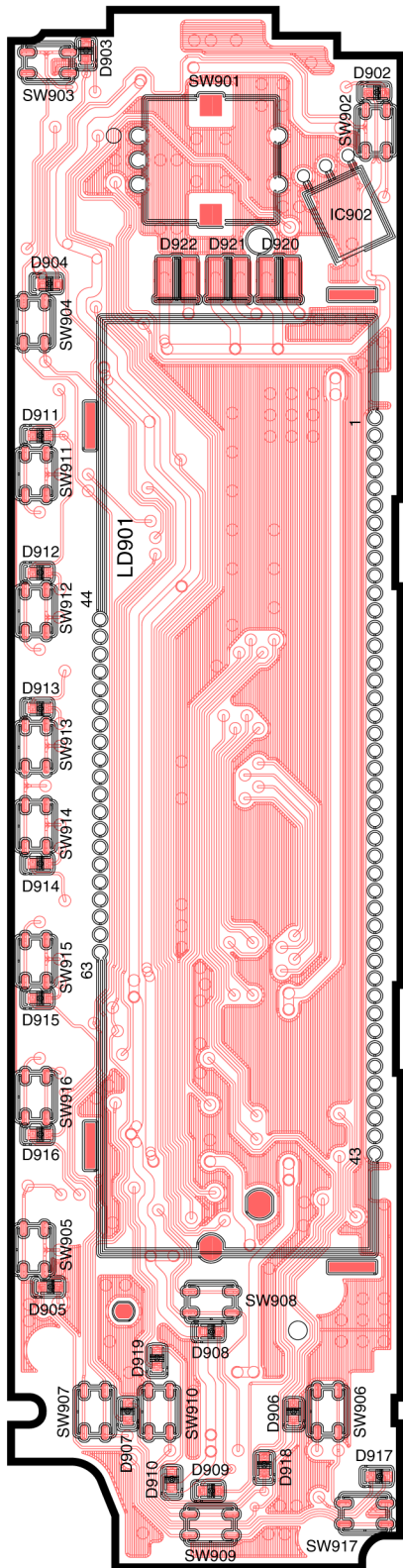
19.6. Display Block (Right Side)

19.7. CD Servo Block (Left Side)

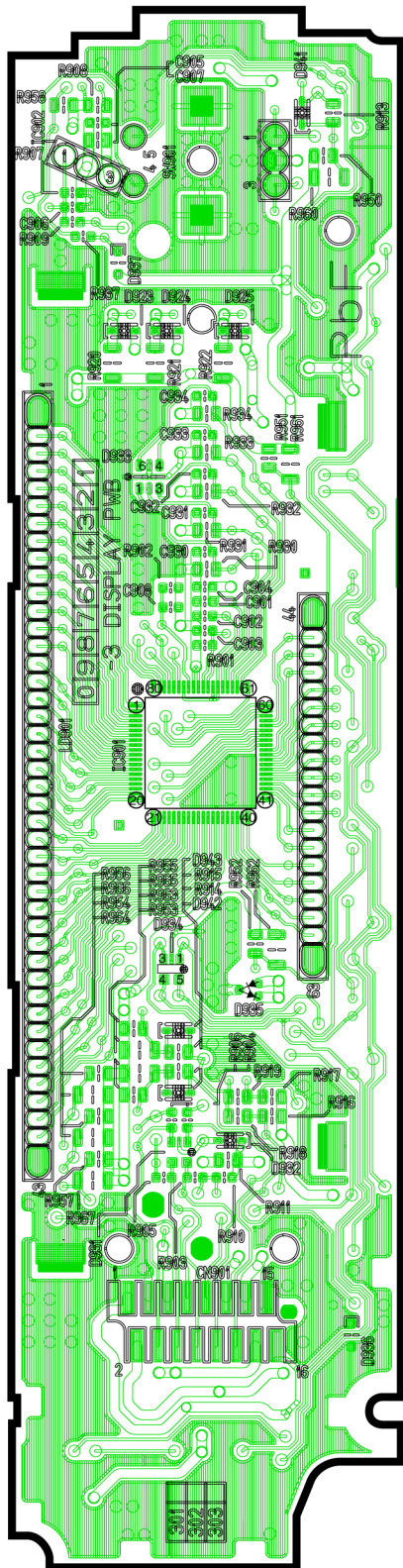
19.8. CD Servo Block (Right Side)



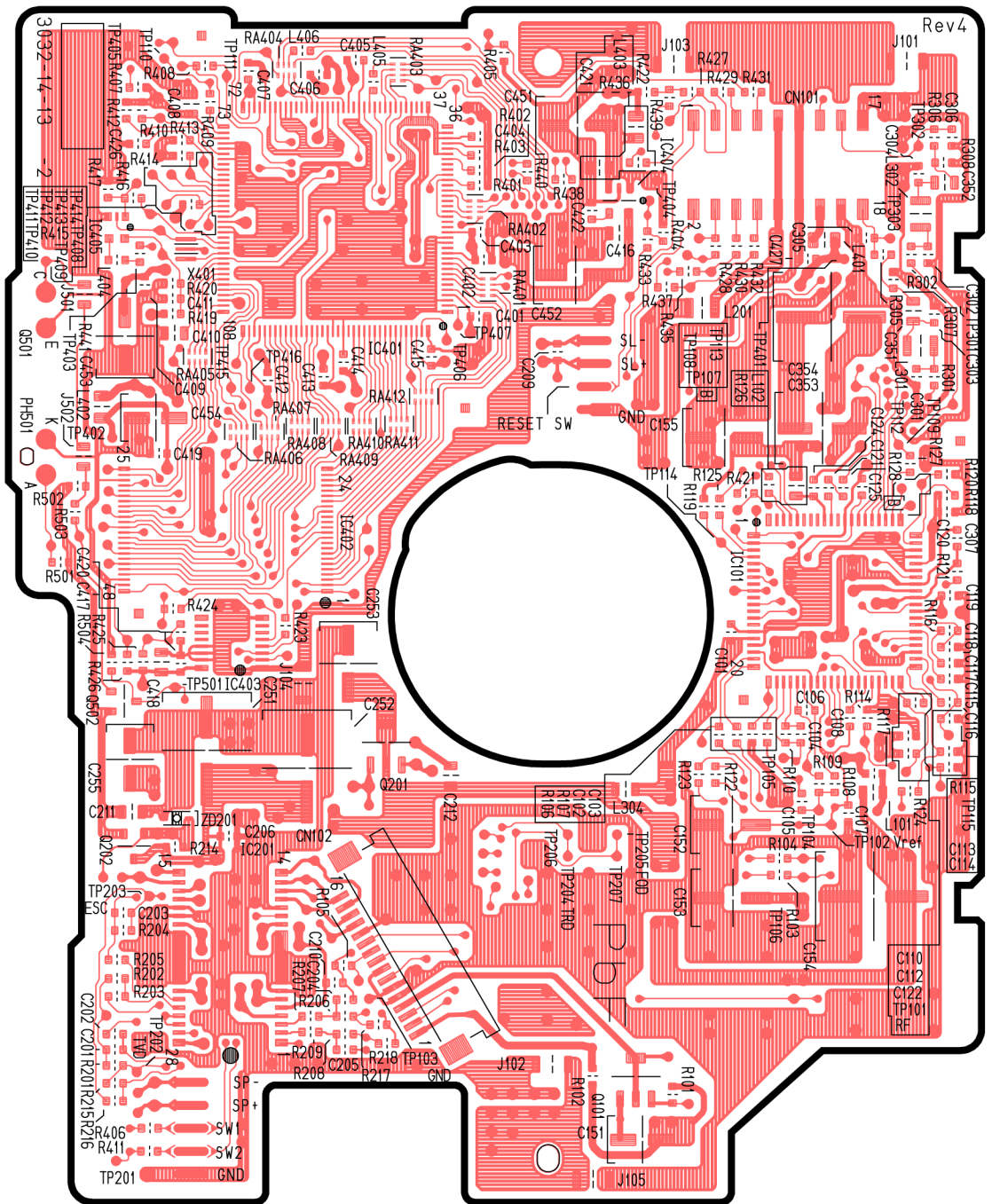




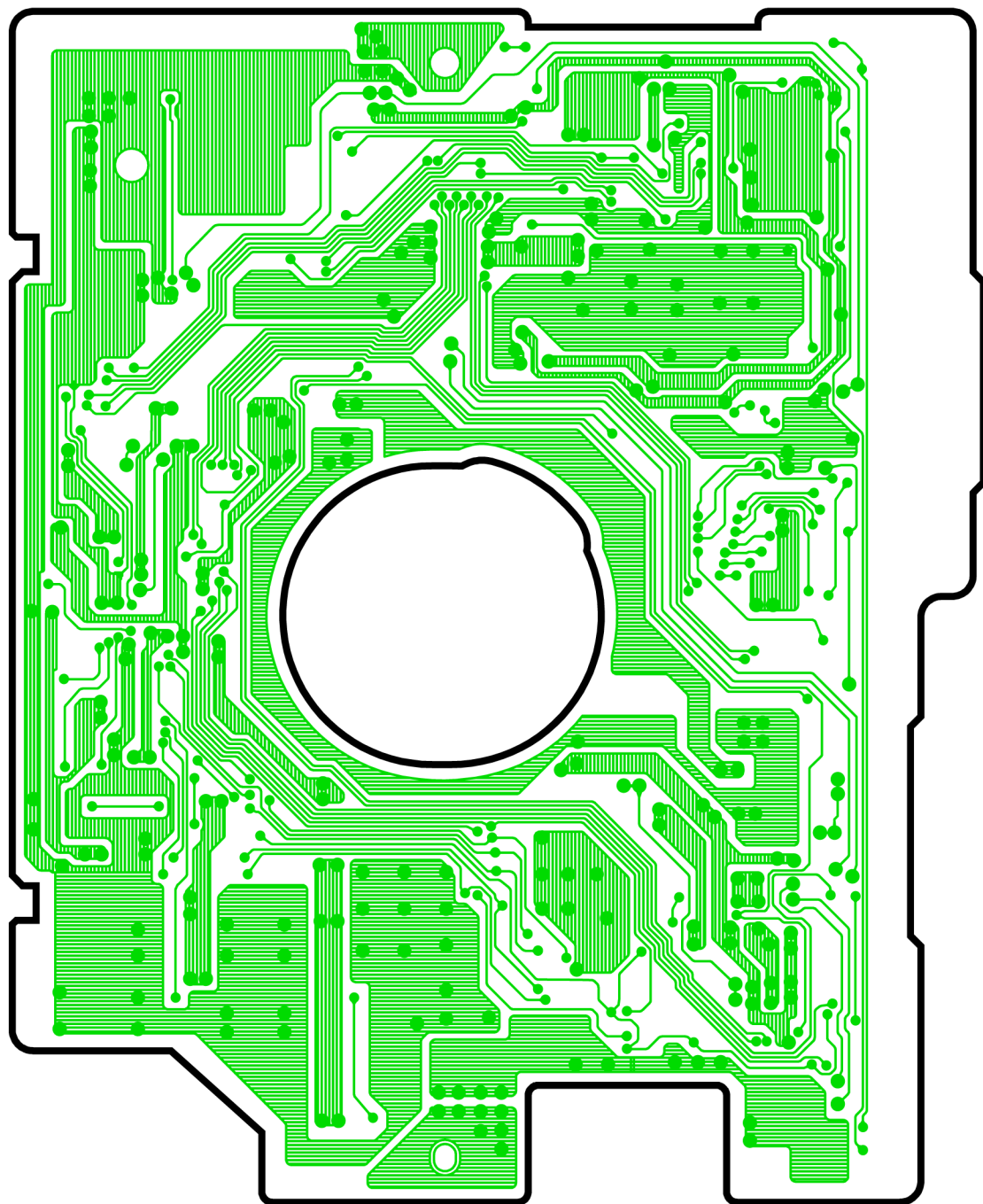
[7212-05-11] [Top View]



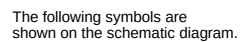
[7212-05-11] [Bottom View]



[3032-14-13] [Top View]

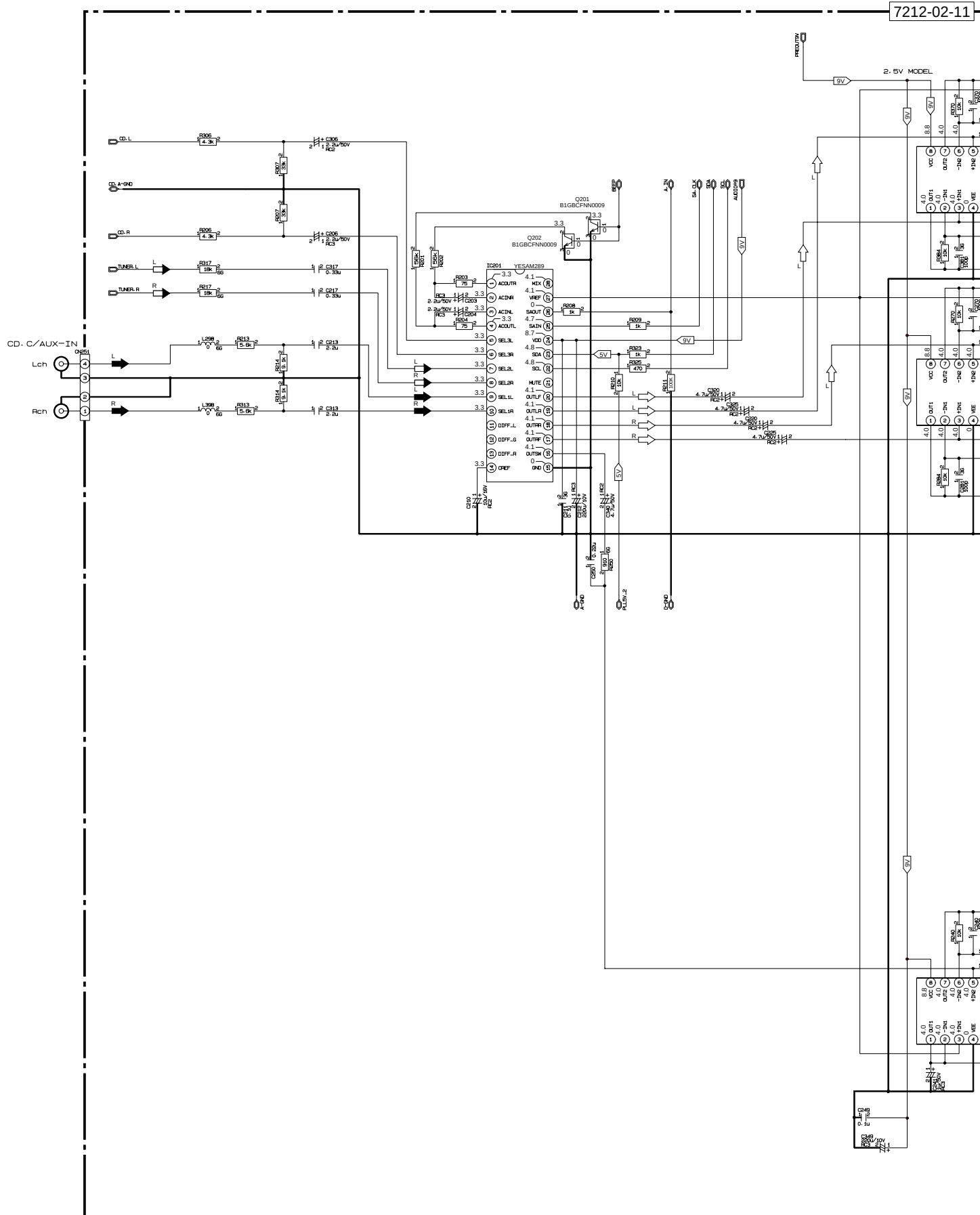


[3032-14-13] [Bottom View]

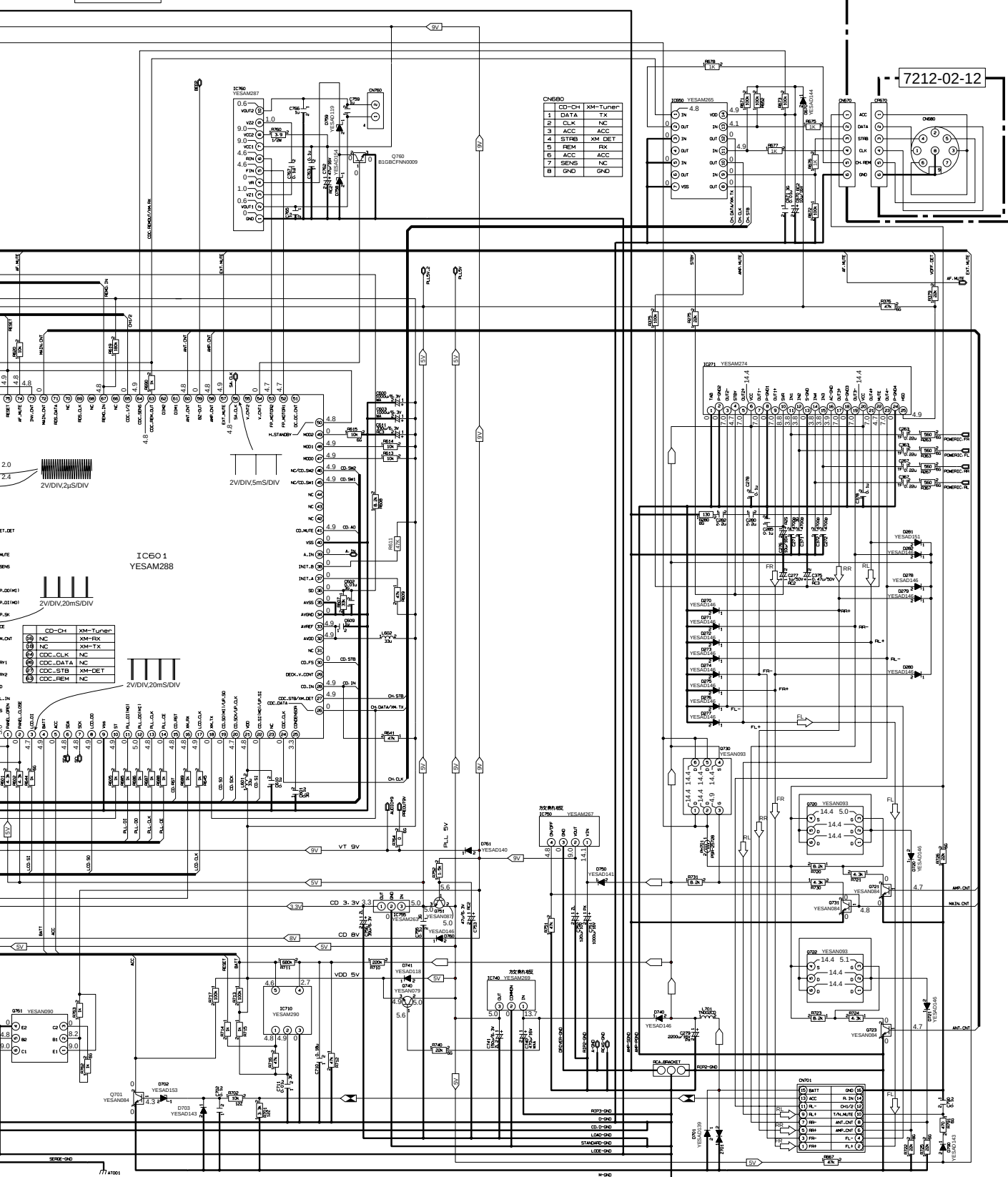


	+B
	Acc
	10V
	5V
	8V
	9V
	RADIO (L,R)
	CD (L,R)
	AUDIO (L,R)

17.2. Main Block -2

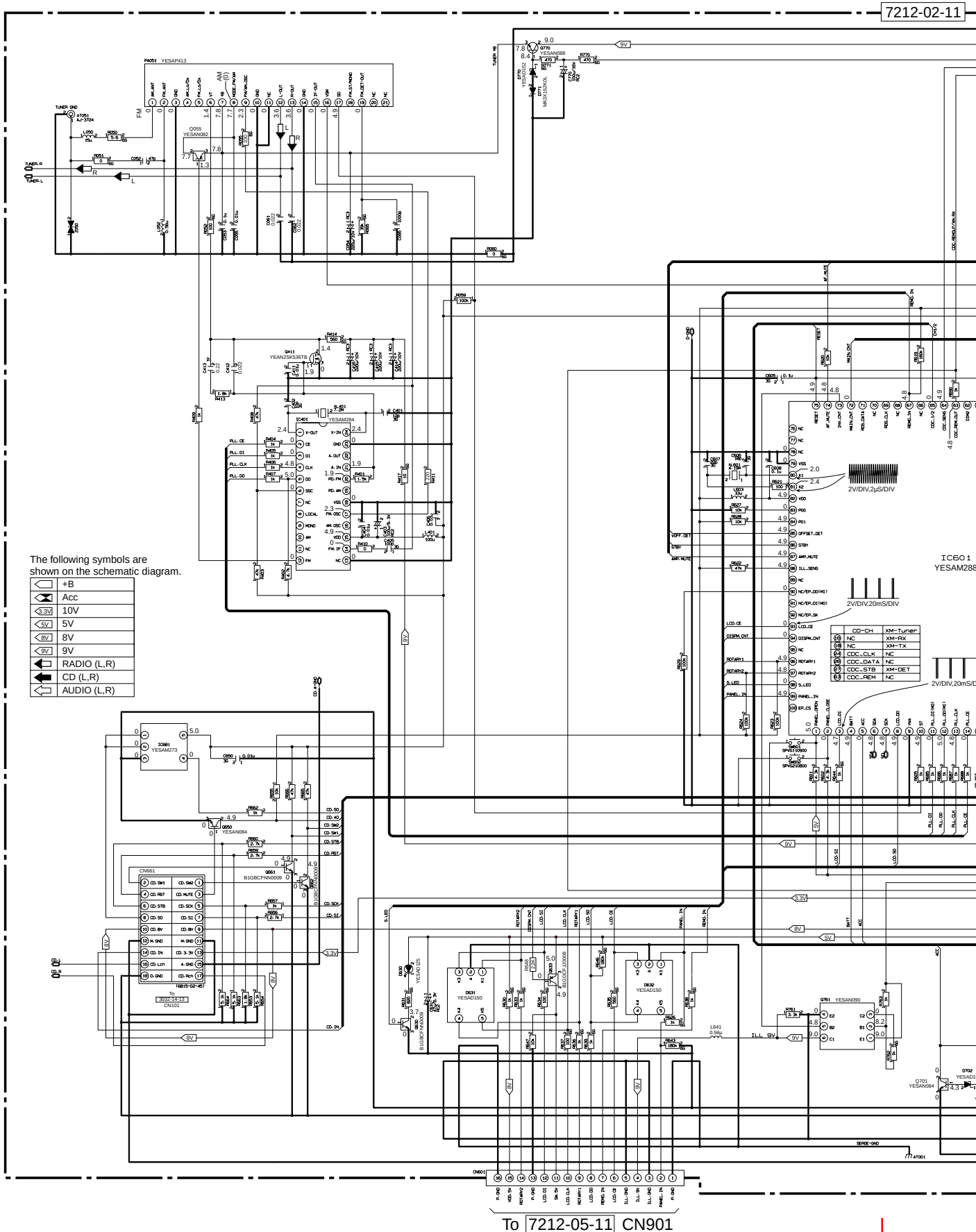


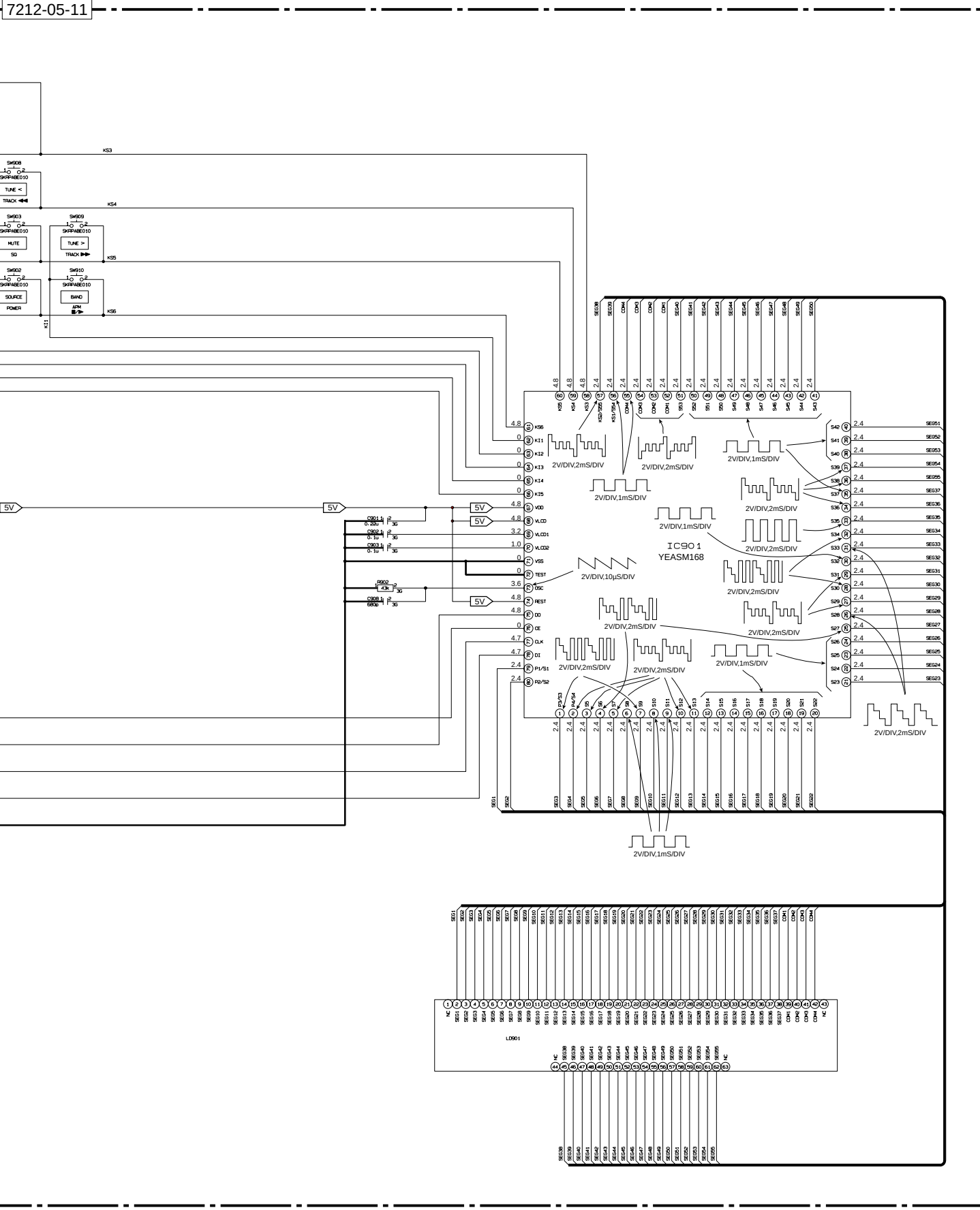
7212-02-12

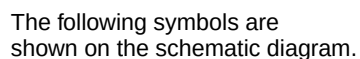


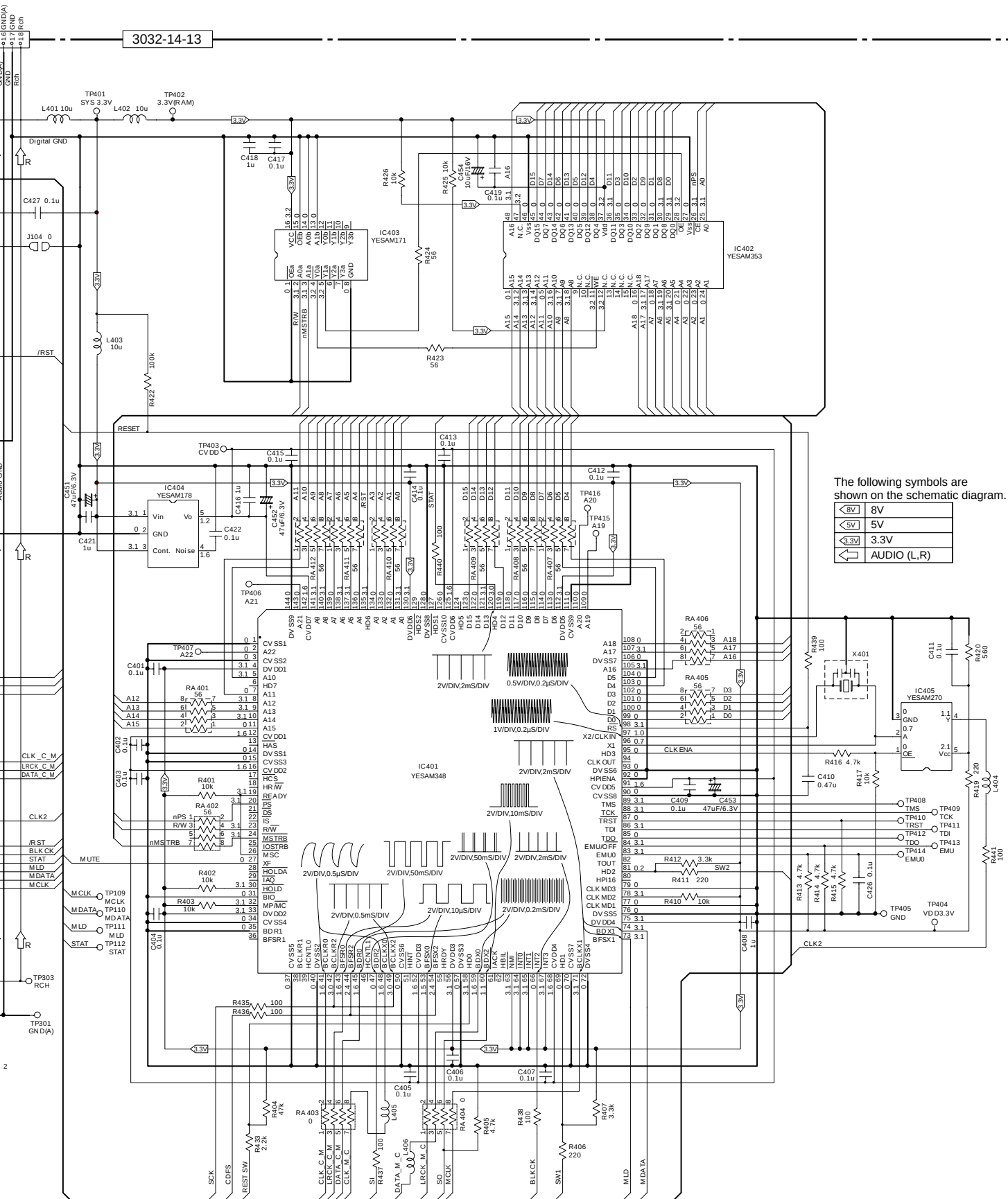
17 SCHEMATIC DIAGRAM

17.1. Main Block -1 / Connector Block

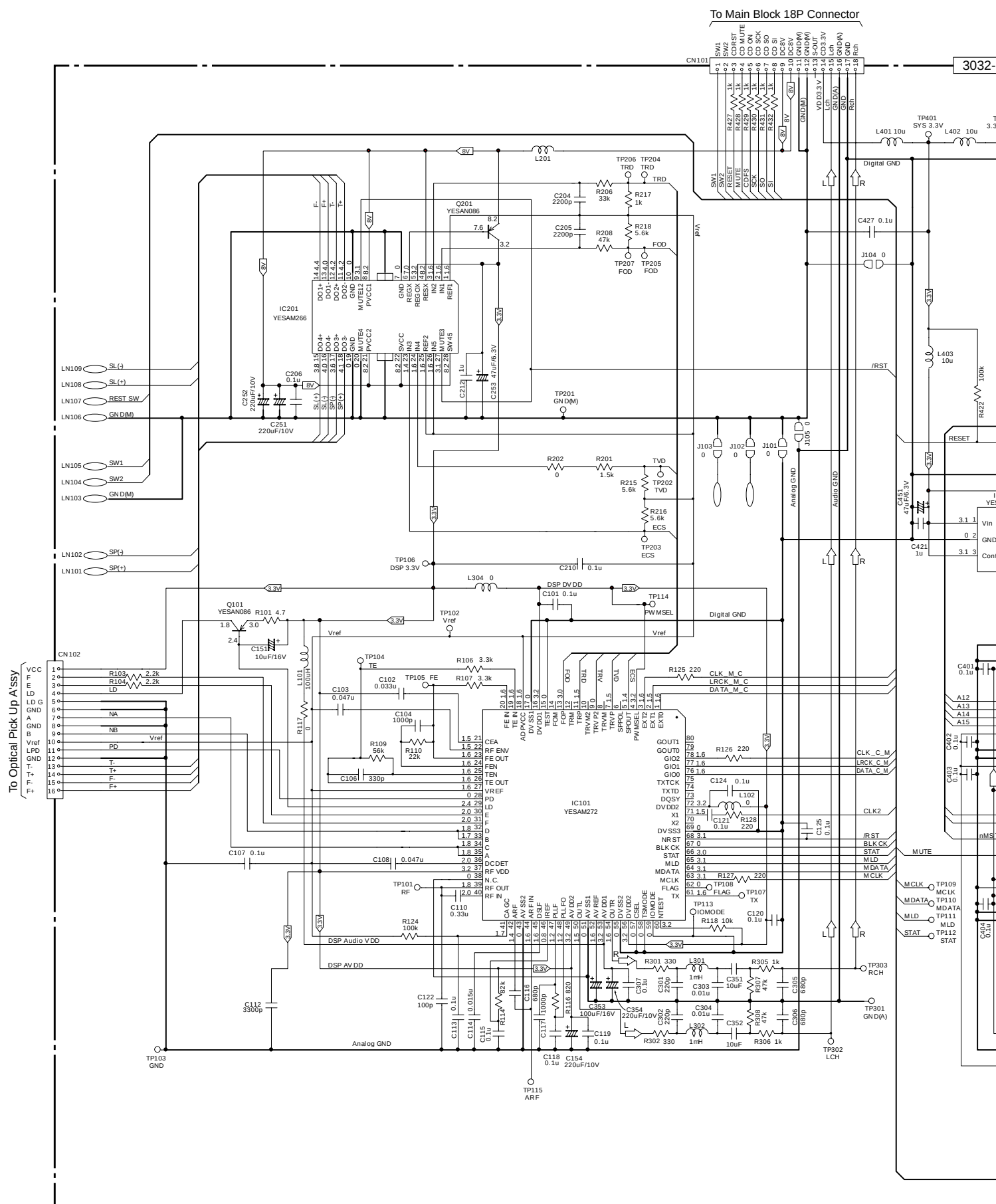


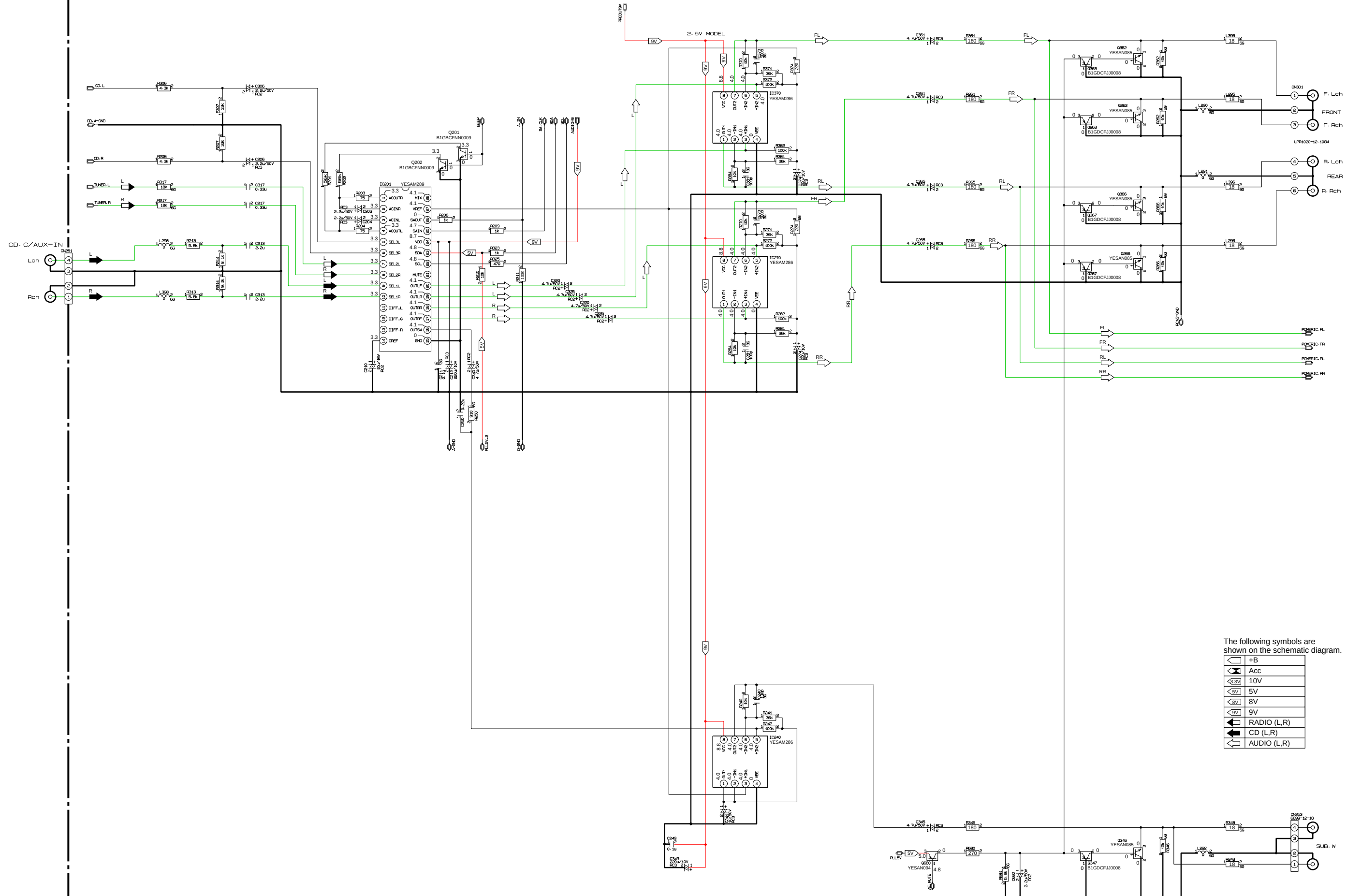


31



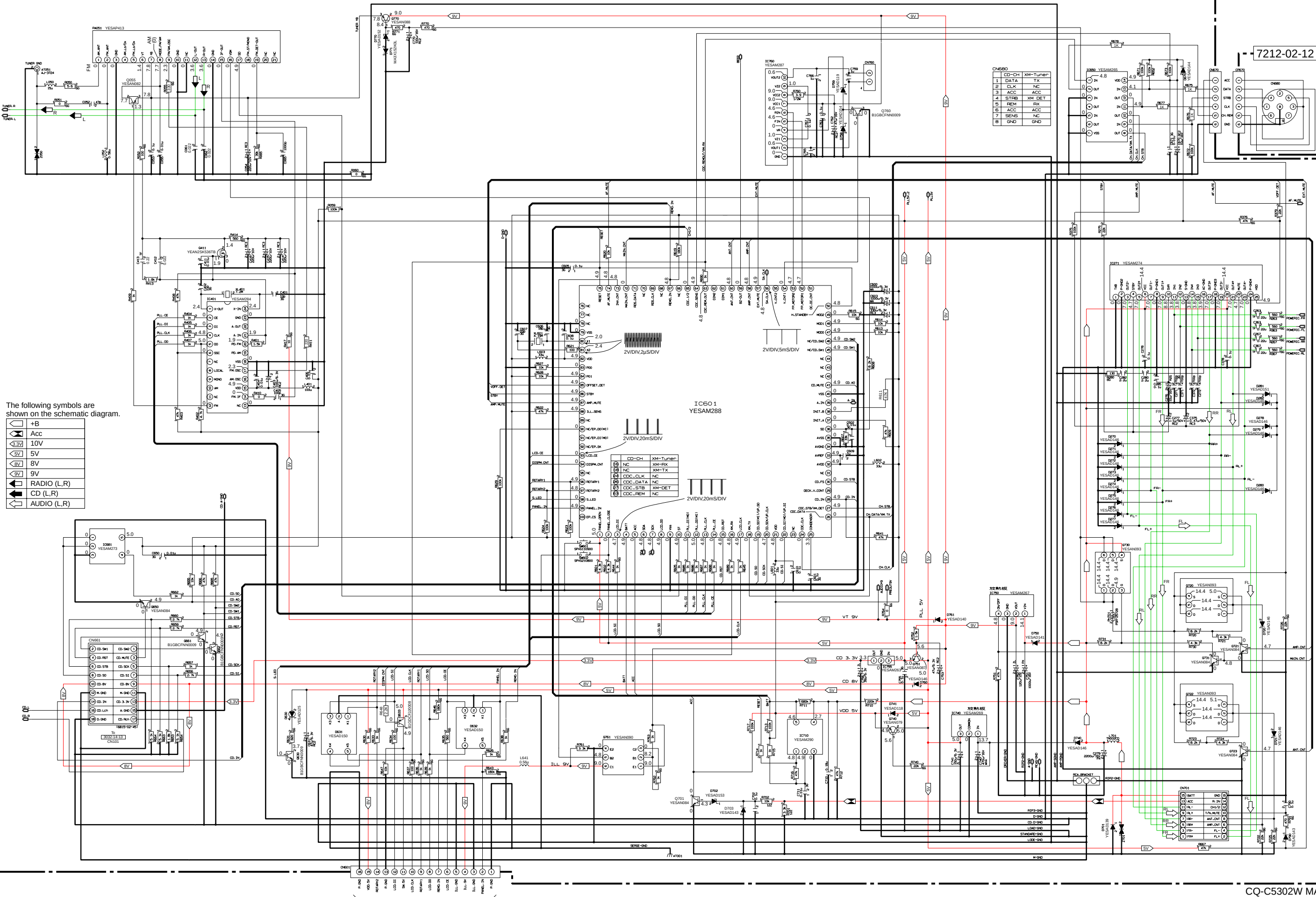
17.4. CD Servo Block

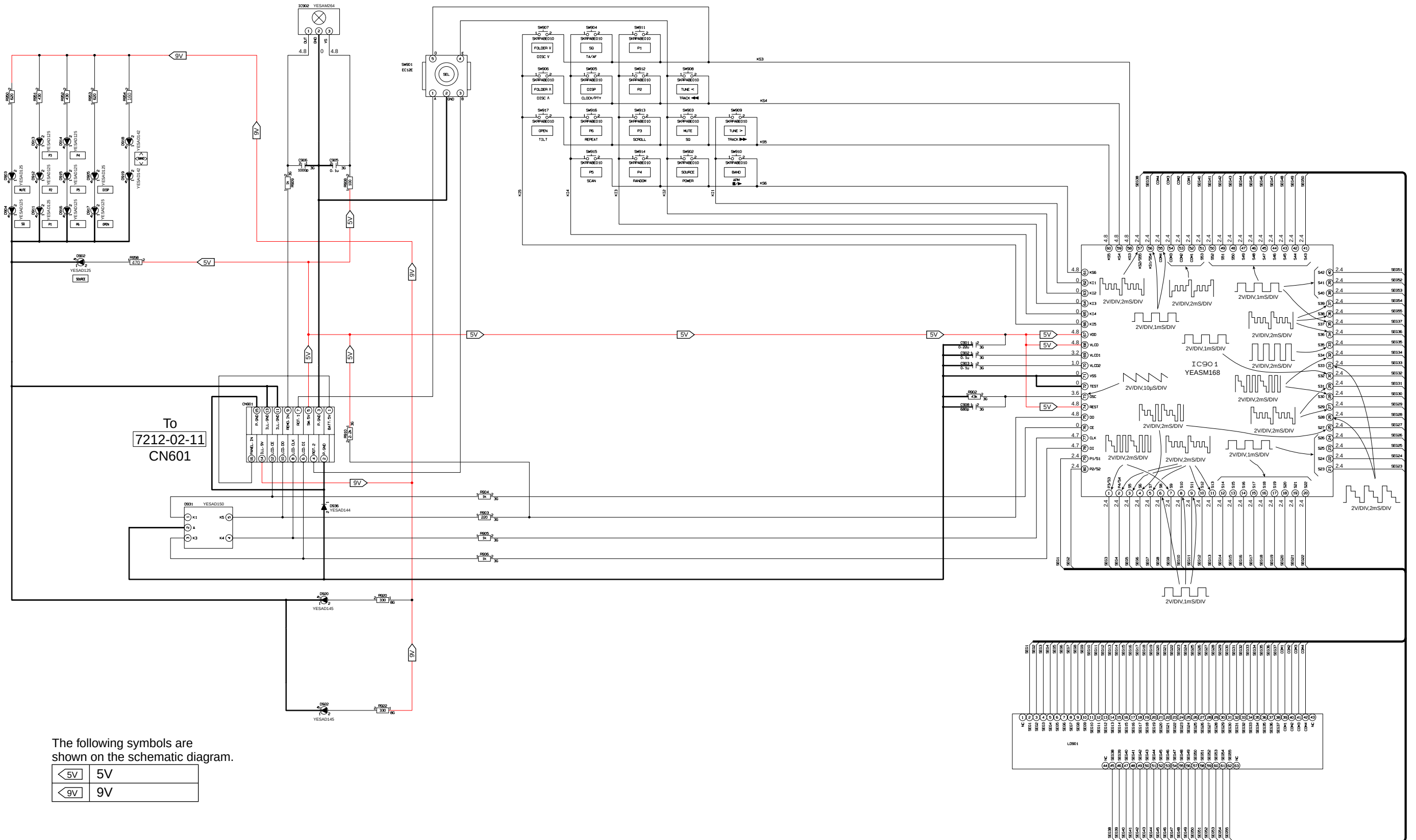




The following symbols are shown on the schematic diagram.

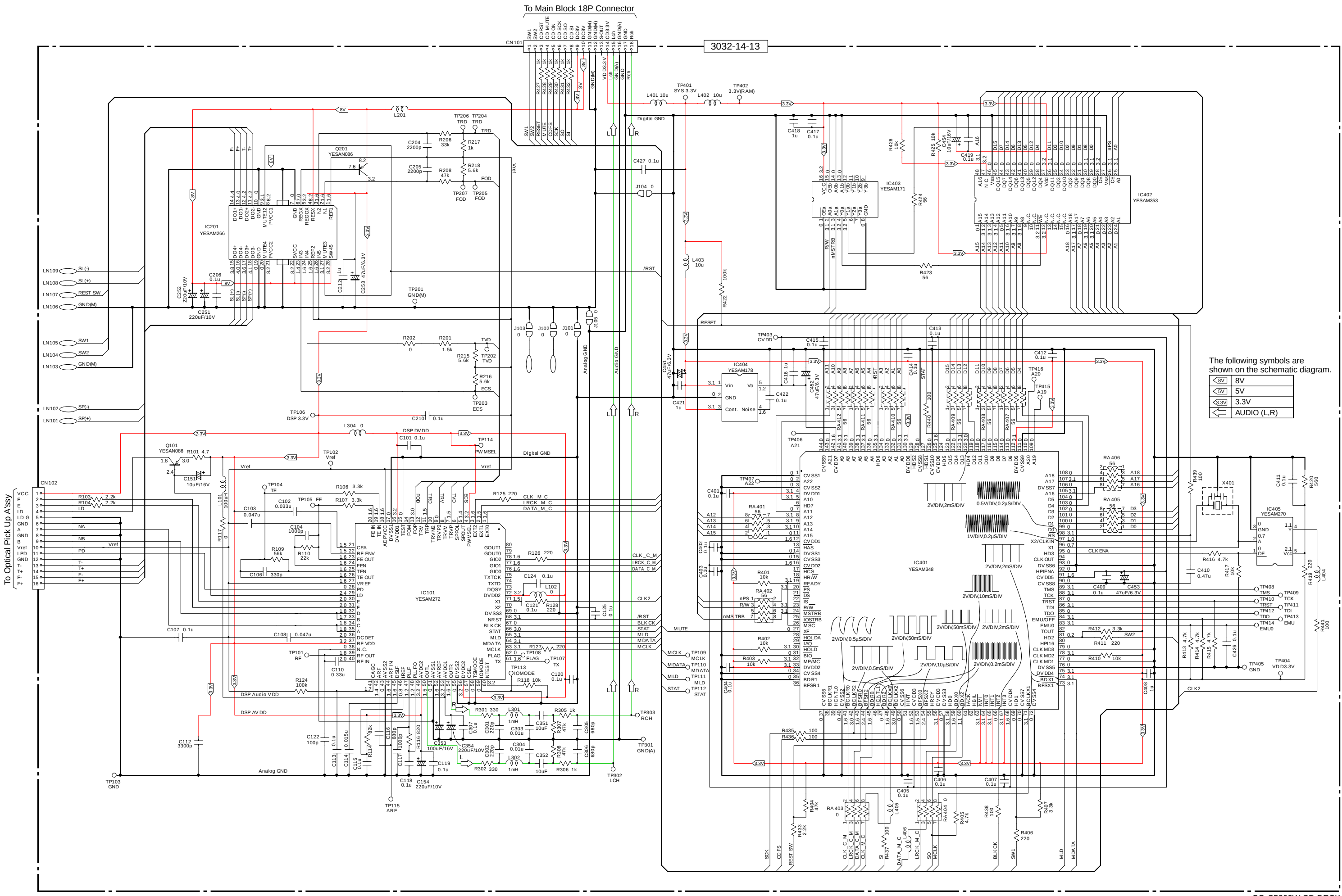
	+B
	Acc
	10V
	5V
	8V
	9V
	RADIO (L,R)
	CD (L,R)
	AUDIO (L,R)





The following symbols are shown on the schematic diagram.

	5V
	9V



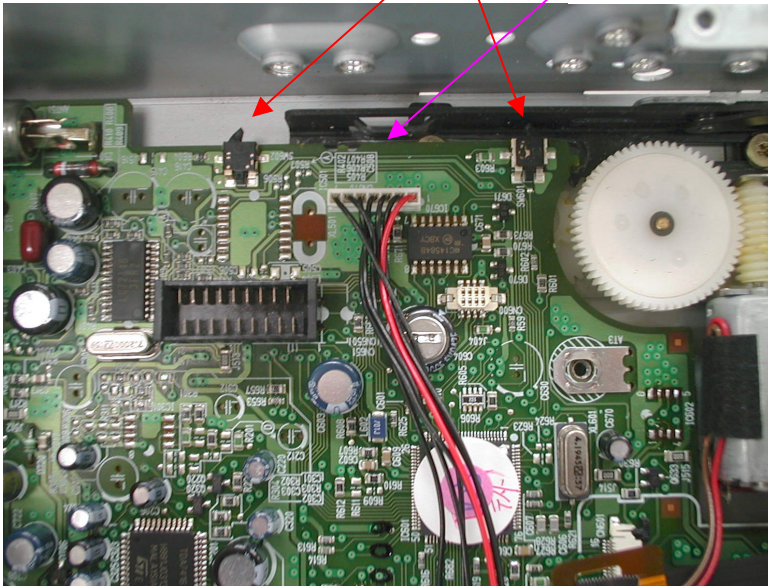
The following symbols are shown on the schematic diagram.

	8V
	5V
	3.3V
	AUDIO (L,R)

If the front side is tilted 45 degrees, the movable metal lever will not cling onto the switch pin.

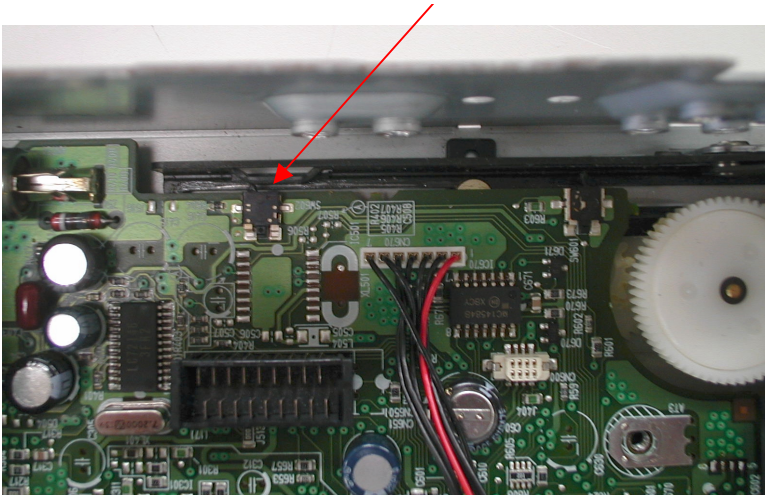
Switch pin

Metal switch lever

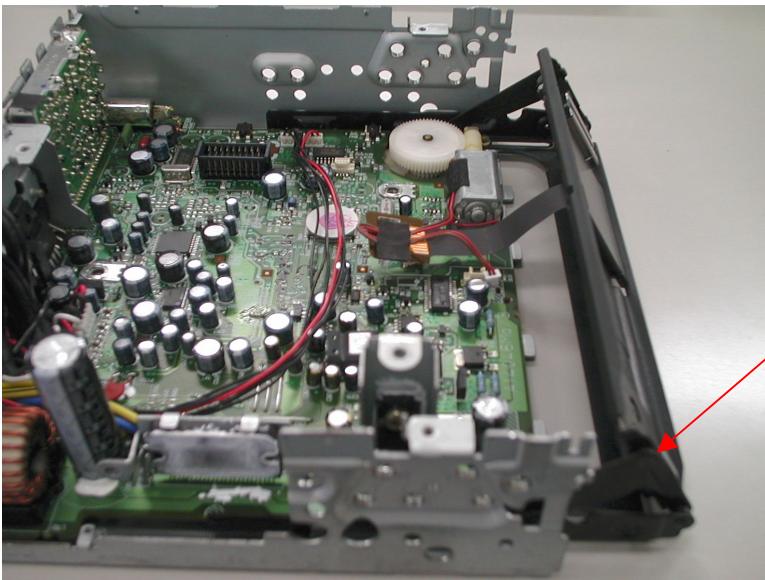


Please install as shown below in order to prevent damages on the end detection switch of the slide mechanism.

If the main P.C.B is installed when the slide mechanism is not moved forward, the switch will hit the metal part and will be damaged.



Move the front side by hand and install the main P.C.B. to the chassis when it is tilted 45 degrees.



When tilted 45 degrees